

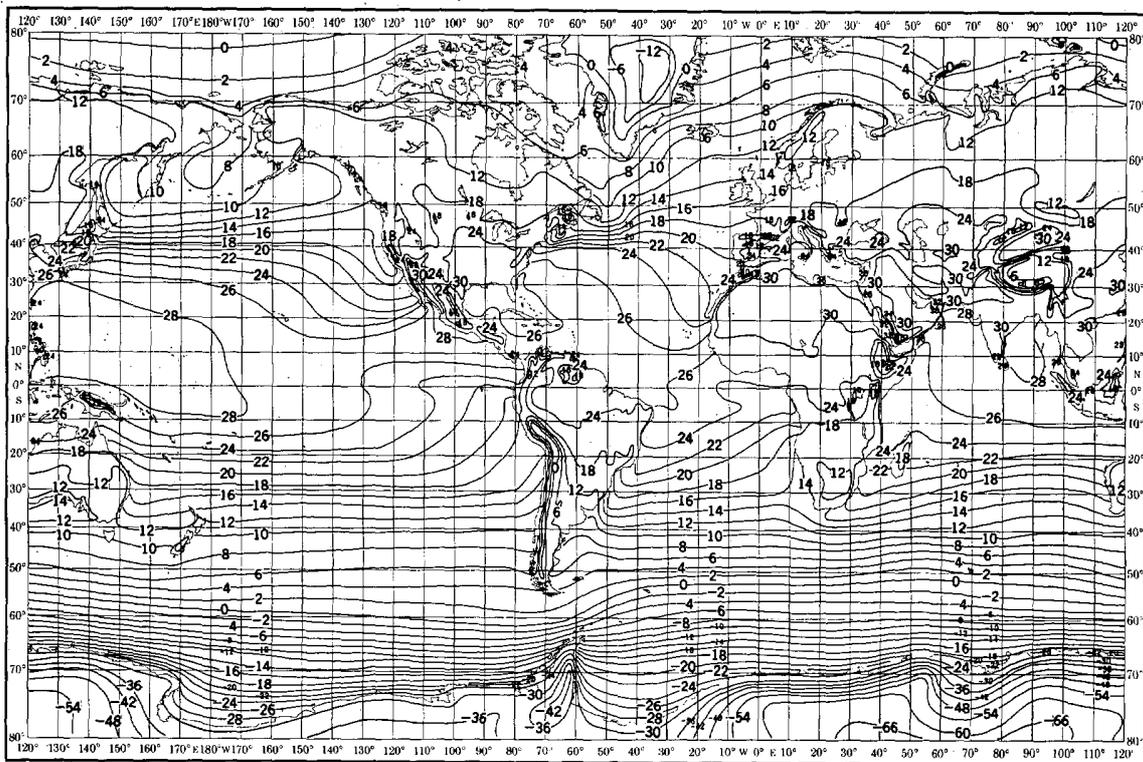


MONTHLY CLIMATIC DATA FOR THE WORLD

PREPARED IN COOPERATION WITH THE
WORLD METEOROLOGICAL ORGANIZATION

JULY

SURFACE AIR TEMPERATURE (°C) - MEANS



Explanation on back cover

"I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION AND IS COMPILED FROM INFORMATION RECEIVED AT THE NATIONAL CLIMATIC DATA CENTER, ASHEVILLE, NORTH CAROLINA."

28801

Kenneth D. Wadsworth

DIRECTOR
NATIONAL CLIMATIC DATA CENTER

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NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

PREFACE

Monthly Climatic Data for the World (MCDW) is a publication of monthly summary climatic data from around the world. Data are prepared by Members of the World Meteorological Organization (WMO) for selected stations and exchanged monthly via international telecommunications under provisions of the WMO Technical Regulations, WMO Publications No. 306 (Manual on Codes) and No. 386 (Manual on the Global Telecommunications System). Data used in MCDW are translated from CLIMAT, CLIMAT SHIP, CLIMAT TEMP and CLIMAT TEMP SHIP codes. WMO No. 9 (Weather Reporting), Vol. A - Stations indicates stations that report in these codes. MCDW is sponsored by the WMO in accordance with Resolution 27 of the Second World Meteorological Congress, 1955. Percent of average sunshine was authorized during the Fourth Session (Stockholm 1965) of the WMO Commission for Climatology and recorded in the General Summary of the Report - WMO NO.177.RP.65. It is published by the United States National Oceanic and Atmospheric Administration.

REFERENCE NOTES

Names of countries (areas) and stations are those used in WMO Publication No. 9, Vol. A - Stations, except that long names may be shortened. Only those stations authorized as contributors by the WMO in VOLUME A are published. "Means" and "totals" mentioned below are monthly summary means and totals. Units abbreviations: celsius = C, degrees = °, geopotential meters = gpm, meters = m, millibars (hectopascals) = mb, millimeters = mm, minutes = ', percent = %.

The long term surface data AVERAGES required for these tables were calculated for 1951 - 1980 from data received at the National Climatic Data Center during those years. Six years of data were considered to be the minimum for calculations.

Departures are differences between data and the AVERAGES for that month. Precipitation departure of "T" or "-T" indicates a difference less than 0.5 mm from AVERAGE.

Provisional upper air normals, although not published in this bulletin, can be obtained from WMO Pub. No. 170. A description of procedures used by Members appeared in Monthly Climatic Data for the World, 1967 Supplement -- computation of CLIMAT TEMP values.

Late reports and corrections are published when received, except that data more than five years old are not published. The Corrections sections include corrections to past data. In these, "D" indicates the data should be deleted. Some late reports of pre-1987 data appeared in the Corrections sections during the 1987 Data Year.

The data received by the publisher often contain errors. A reasonable effort is made to correct errors; but some may appear in the publication, especially if the errors are subtle or were part of a large group of errors.

The station list appears at the back of the publication. In January and July, all CLIMAT (C) and CLIMAT TEMP (T) stations from WMO Pub. No. 9, Vol. A are listed. This is the complete published station set. In other months, the list contains only those stations from which data no more than two months old have been recently received.

Included in this publication, on an interim basis, are a group of Antarctic and USA stations that are not in WMO No. 9. These stations will be sponsored as CLIMATE and/or CLIMAT TEMP stations in the near future.

SURFACE DATA TABLES

DAYS OBS.: The number of days on which observations were taken. Column will be blank if days are not reported.
PRESSURE: Mean station pressure at station level and sea level in tenths of mb. In the sea level pressure column, Y or Z indicates the number is the mean height in gpm of the 850 mb or 700 mb pressure surface, respectively.
TEMPERATURE: Mean temperature and departure from AVERAGE value in degrees C. "S" indicates sea surface temperature.
DAYS 1 MM: The number of days on which precipitation was 1 mm or more.
PRECIPITATION: Total precipitation and departure from AVERAGE in mm. "T" indicates an amount less than 0.5 mm.
QUINTILE: Frequency group of precipitation totals. Group numbers are 0 - 6. Groups 0 and 6 are for totals less than and greater than any recorded in the 1951 - 1980 reference period.
% OF AV.: Sunshine total hours expressed as a percentage of long-term average. Currently, average period is 1931-60.

In January 1987, the "Sunshine" column was changed to include both total sunshine in hours and the percentage of long-term average.

UPPER AIR DATA TABLES

HEIGHT: Mean height of pressure surfaces in gpm. Asterisk (*) indicates station elevation.
VECTOR WIND: Direction of mean vector wind in degrees, speed in mps. A wind speed value of 0 is a speed < 0.5 mps. When missing days equals 9, nine or more days of wind data are missing.
STEADINESS: Ratio of mean vector wind speed to mean scalar wind speed.
OB: Observation time code: 1 = 0000 GMT, 2 = 1200 GMT, 3 = 0000 and 1200 GMT, / = other hours.

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PUBLICATION STAFF

Jay Hollifield, Meteorological Technician

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE		
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE	TOTAL	% OF AV.
EUROPE																
NORWAY																
01001 JAN MAYEN	7056N	00840W	9		1010.8	1011.9	5.6	1.4	8.6	1.4	6	53	11	4		
01008 SVALBARD LUFTHAVN	7815N	01528E	29		1011.8	1015.3	6.5		7.6		2	7				
01025 TROMSO/LANGNES	6941N	01855E	10		1012.6	1013.7	13.1	1.3	12.5	1.9	10	55	-10	2		
01028 BJORNOYA	7431N	01901E	14		1014.0	1015.7	5.9	2.0	8.7	1.5	1	4	-23	1		
01098 VARDØ	7022N	03106E	15		1013.4	1015.0	10.1	0.9	11.9	1.9	4	11	-34	1		
01152 BODØ VI	6716N	01422E	13		1011.2	1012.7	13.2	0.4	13.4	1.8	8	67	-20	2		
01241 ORLAND III	6342N	00936E	7		1012.1	1013.2	13.1	0.3	13.7	1.4	16	97	21	5		
01317 BERGEN/FLORIDA	6023N	00520E	36		1009.5	1013.7	14.6		13.1		15	135		3		
01384 OSLO/GARDERMOEN	6012N	01105E	204		987.3	1011.1	15.5	0.4	12.0	-0.2	9	42	-51	1		
01415 STAVANGER/SOLA	5853N	00538E	9		1013.1	1014.1	14.0	-0.2	13.4	0.7	8	79	-13	3		
SWEDEN																
02080 KARESUANDØ	6827N	02230E	327		974.4	1013.1	12.9	0.0	10.6	-0.2	13	78	11	4		
02128 GUNNARØ	6501N	01741E	281		978.6	1011.6	14.5		12.8		17	142		5		
02196 HAPARANDA	6550N	02409E	6		1010.8	1011.6	15.6	0.1	13.0	0.1	11	78	29	5		
02226 OSTERØSUND/FROSON	6311N	01430E	366		968.7	1012.1	13.3	-0.5	10.1	-1.2	15	62	-22	2		
02361 HARNOSAND	6238N	01757E	8	31	1009.2	1010.4	15.3	-0.2	15.2	1.8	14	119	58	5		
02418 KARLSTAD FLYGPLATS	5922N	01328E	55		1004.5	1011.1	16.1	-0.3	13.8	0.6	14	83	22	4		
02464 STOCKHOLM/BROMMA	5921N	01757E	11		1009.0	1010.4	15.8	-1.3	14.3	0.7	16	144	74	5		
02512 GÖTEBORG/SAVE	5747N	01153E	53		1006.5	1012.8	15.8	-0.7	11.4	-2.2	11	58	-12	2		
02550 JONKÖPING FLYGPLATS	5746N	01405E	232		985.0	1012.3	15.1	-0.5	13.1	-0.3	11	93	21	4		
02590 VISBY FLYGPLATS	5740N	01821E	47		1005.7	1011.3	15.2	-1.2	14.6	0.3	13	81	32	5		
FINLAND																
02801 KILPISJARVI	6903N	02047E	476		957.4	1013.5	11.6		10.7		10	72		4		
02805 KEVO	6945N	02702E	101		1002.6	1014.6	13.2		10.9		8	40		2		
02836 SODANKYLA	6722N	02639E	179		991.8	1013.1	13.8	-0.4	11.9	1.2	8	53	-17	2		
02869 KUUSAMO	6558N	02911E	263		981.6	1012.8	13.3	-0.3	12.3		12	52	-19	2		
02875 OULU	6456N	02522E	15		1009.5	1011.3	15.9	0.3	13.6		10	86	34	4		
02897 KAJAANI	6417N	02741E	136		995.3	1011.4	15.0	-0.6	13.6	1.4	14	69	-2	3		
02911 VAASA	6303N	02146E	4		1008.9	1009.7	15.2	-0.5	13.6	0.7	13	124	62	5		
02929 JOENSUU	6240N	02938E	117		996.5	1010.4	15.5	-0.3	12.7		18	87	15	4		
02935 JYVASKYLA	6224N	02541E	145		992.8	1010.0	14.7	-1.1	13.5	0.8	16	137	63	5		
02942 NIINISALO	6151N	02228E	136		993.7	1009.8	15.1		13.0		15	120		5		
02958 LAPPEENRANTA	6105N	02809E	106		996.9	1009.5	16.1	0.0	13.1		13	62	-10	3		
02963 JOKIOINEN	6049N	02330E	103		997.3	1009.6	15.2	-0.6	12.9	-0.3	15	85	7	4		
02972 TURKU	6031N	02216E	59		1002.7	1009.7	16.3	-0.2	12.9	-0.5	12	112	37	5		
02974 HELSINKI-VANTAA	6019N	02458E	56		1002.7	1009.4	15.8	-0.9	13.2	-0.2	13	117	45	5		
UNITED KINGDOM																
03005 LERWICK	6008N	00111W	84		1005.5	1015.4	11.8	0.5	12.1	0.4	11	54	-10	3	133	106
03026 STORNOWAY	5813N	00619W	13		1013.7	1015.5	13.5	0.8	12.5	-0.2	14	113	41	5	185	145
03091 ABERDEEN/DYCE	5712N	00213W	65		1008.8	1016.5	14.0	0.4	12.1	-0.4	8	37	-39	1	229	146
03100 TIREE	5630N	00653W	12		1015.1	1016.2	14.0	0.7	13.3	-0.2	12	71	-8	2	205	125
03160 EDINBURGH AIRPORT	5557N	00321W	41		1012.7	1017.0	14.7	0.3	12.8	0.0	6	43	-22	2	221	135
03162 ESKDALEMUIR	5519N	00312W	242		988.9	1017.8	13.7	0.7	12.6	0.3	12	90	-16	2	220	157
03257 LEEMING	5418N	00132W	40		1014.4	1018.3	16.5	0.9	12.8	-0.5	6	25	-31	2	233	
03302 VALLEY	5315N	00432W	11		1016.8	1018.2	16.8	1.7	14.1	0.4	7	44	-13	2	283	150
03334 MANCHESTER AIRPORT	5321N	00216W	78		1009.3	1018.4	16.5	0.9	12.9	-0.4	6	25	-53	1	261	170
03377 WADDINGTON	5310N	00031W	70		1010.3	1018.7	16.7	1.0	12.6	-1.2	6	24	-32	2	259	139
03534 BIRMINGHAM/AIRPORT	5227N	00144W	99		1007.3	1019.1	17.1	1.4	12.4	-0.9	5	27	-25	1	274	150
03715 CARDIFF-WALES AIRPORT	5124N	00321W	67		1011.6	1019.4	17.4	1.7	13.3	-1.0	6	47	-24	2	313	
03776 LONDON/GATWICK AIRPORT	5109N	00011W	62		1012.7	1019.6	17.4	1.3	13.2	-1.1	3	10	-39	0	301	
03827 PLYMOUTH/MOUNT BATTEN	5021N	00407W	27		1016.4	1019.7	17.2	1.3	14.1	-0.8	5	53	-12	3	319	161
03862 BOURNEMOUTH AIRPORT	5047N	00150W	11		1018.4	1019.7	16.7	0.6	14.0	-0.3	4	12	-29	1	310	
03917 BELFAST/ALDERGROVE AIRPORT	5439N	00613W	81		1009.1	1017.4	15.5	1.0	13.6	0.3	8	50	-21	2	237	174
IRELAND																
03953 VALENTIA OBSERVATORY	5156N	01015W	14		1016.6	1018.3	16.1	1.3	15.2	0.8	7	64	-21	2	194	135
03955 CORK AIRPORT	5151N	00829W	162		999.3	1018.7	15.7	0.9	14.6	1.1	7	68	2	3	247	
03962 SHANNON AIRPORT	5242N	00855W	20		1015.9	1018.2	17.1	1.6	14.5	0.4	9	46	-20	2	218	150
03969 DUBLIN AIRPORT	5326N	00615W	85		1007.6	1017.7	16.1	1.1	13.8	0.3	6	48	-11	3	240	150
03976 BELMULLET	5414N	01000W	10		1015.5	1016.7	15.5	1.6	14.6	0.8	13	82	15	4	175	120
03980 MALIN HEAD	5522N	00720W	25		1013.4	1016.4	15.1	1.3	13.6	0.3	11	55	-20	2	192	135

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE	TOTAL
EUROPE															
ICELAND															
04018 KEFLAVIK	6358N	02236W	54		1001.6	1008.1	11.1	0.7	11.2	0.7	14	111	55	5	
04030 REYKJAVIK	6408N	02154W	61		1000.9	1008.3	11.6	0.8	10.7	0.2	15	49	1	4	171 96
04063 AKUREYRI	6541N	01805W	27		1006.0	1009.3	12.5	2.1	10.7	0.8	3	9	-24	0	154 105
04082 HJARDARNES	6415N	01511W	12		1008.9	1010.1	10.8	0.7	11.0	0.7	12	187	113	6	
DENMARK (GREENLAND)															
04209 UPERNAVIK AWS	7247N	05610W	61	31	1001.7	1009.4	4.5	-1.6	6.9						
04220 EGEDESMINDE	6842N	05245W	47	31	1003.2	1009.0	6.7	0.7	7.9	0.3	5	58	26	5	
04250 GODTHAB	6410N	05145W	48	31	1004.6	1008.0	7.0	0.2	8.4	0.0	2	15	-63	0	
04312 NORD ADS	8136N	01640W	34	31	1004.1	1008.6	4.0	0.1	5.8		2	6	-7		
04320 DANMARKSHAVN	7646N	01840W	12	31	1008.6	1010.1	4.2	0.6	6.5	0.3	3	12	2	4	
04340 KAP TOBIN	7025N	02158W	42	31	1005.9	1011.0	5.2	2.7	7.3	1.8	4	19	-10	3	
04360 ANGMAGSSALIK	6536N	03738W	52	31	1005.4	1009.8	6.5	-0.1	8.5	0.9	8	44	-8	2	
04390 PRINS CHRISTIAN SUND	6002N	04307W	76	31	1005.1	1007.4	7.3	0.5	8.7	0.8					
DENMARK & FAROE IS.															
06011 THORSHAVN	6201N	00646W	39	31	1010.7	1013.6	10.9	0.6	12.0	1.0	13	81	3	4	
06030 ALBORG	5706N	00952E	3	31	1013.1	1013.5	16.0	0.4	12.9	-1.3	8	49	-22	2	
06186 KOBENHAVN/LANDBOHOJSKOLEN	5541N	01233E	9	31	1013.5	1014.1	17.4	0.3	12.9	-2.0	6	35	-38	1	
06190 RONNE	5504N	01445E	16	31	1012.8	1014.7	16.4	-0.1	12.9		7	32	-25	1	
NETHERLANDS															
06260 DE BILT	5206N	00511E	4		1019.0	1019.5	16.9	0.4	13.7	-1.0	7	43	-36	2	252 125
BELGIUM															
06447 UCCLE	5048N	00421E	104	31	1007.3	1019.2	18.1	0.9	14.8	-0.6	4	30	-52	1	
LUXEMBOURG															
06590 LUXEMBOURG/LUXEMBOURG	4937N	00613E	379	31	975.5	1019.5	17.7	0.5	11.7	-3.3	8	76	10	3	
SWITZERLAND LIECHTENSTEIN															
06660 ZURICH (TOWN/VILLE)	4723N	00834E	569		954.1	1019.2	18.4	1.0	13.3	-0.7	7	83	-47	1	255 107
06680 SAENTIS	4715N	00921E	2500		757.0	3139 Z	6.2	1.2	7.3	-0.3	11	264	-12	3	205 105
06700 GENEVE-COINTRIN	4615N	00608E	416		970.8	1018.5	20.0	0.9	13.8	0.0	4	55	-13	3	304 105
06770 LUGANO	4600N	00858E	276		984.4	1016.0	22.2	0.8	17.2	-0.2	4	14	-144	0	284 106
SPAIN															
08001 LA CORUNA	4322N	00825W	67		1011.2	1019.0	20.8	2.5	16.9	0.2	4	13	-14	2	266 100
08141 VALLADOLID	4139N	00446W	735		933.8	1015.9	23.4	2.5	11.3	0.2	2	7	-10	3	369 100
08160 ZARAGOZA/AEROPUERTO	4140N	00101W	258		987.5	1018.0	25.4	1.4	17.4		1	58	45	6	359 100
08181 BARCELONA/AEROPUERTO	4117N	00204E	6		1015.6	1016.4	22.9		21.2		4	10	3		
08222 MADRID	4025N	00341W	667		942.6	1016.0	26.4	2.4	13.0	0.6	3	12	2	4	369 96
08306 PALMA DE MALLORCA/SON SAN J.	3933N	00244E	8		1016.8	1017.7	24.4	3.1	22.6						368 110
08314 MENORCA/MAHON	3952N	00414E	82		1007.9	1018.6	25.1	1.2	22.0	3.0	1	0	-6	0	389 110
08359 ALICANTE	3822N	00030W	82		1008.3	1017.7	25.3	-0.1	20.1	0.6	3	3	-1	4	328 92
08390 SEVILLA/TABLADA	3722N	00600W	14		1012.8	1014.5	28.9	2.3	19.0	1.6	0	0	-1	0	371 100
08487 ALMERIA/AEROPUERTO	3651N	00223W	21		1012.9	1015.3	27.7		24.4		1	2	6	343 95	
GIBRALTAR															
08495 GIBRALTAR	3609N	00521W	5		1016.6	1017.0	24.5	0.9	21.8	1.9	0	1	1	5	323 93
PORTUGAL															
08506 HORTA (ACORES)	3831N	02838W	62	31	1016.9	1024.2	22.6	1.0	20.7	0.6	3	5	-27	1	
08513 PONTA DELGADA (ACORES)	3745N	02540W	36	31	1020.0	1024.3	22.1	1.3	19.5	0.3	3	31	4	4	
08515 SANTA MARIA (ACORES)	3658N	02510W	100	31	1012.2	1024.1	22.5	1.8	19.9	1.8	1	4	-14	1	
08535 LISBOA	3843N	00909W	95	31	1007.5	1018.4	24.3	2.1	17.7	1.7	0	0	-3	3	
08546 PORTO/SERRA DO PILAR	4108N	00836W	100	31	1006.2	1017.8	22.0	2.4	16.9	0.7	2	5	-15	2	
GERMAN DEMOCRATIC REPUBLIC															
09170 WARNEMUENDE	5411N	01205E	10		1014.9	1016.1	16.7	0.0	14.8	-0.5	4	25	-47	0	234 95
09184 GREIFSWALD	5406N	01324E	6		1015.0	1015.8	16.5	-0.2	14.2	-0.9	8	38	-26	2	257 105
09379 POTSDAM	5223N	01304E	100		1005.5	1017.4	17.2	-0.7	12.1	-2.2	4	16	-47	1	261 110
09393 LINDENBERG	5213N	01407E	112		1003.7	1017.0	17.3	-0.6	13.2	-0.6	9	31	-40	1	268 110
09469 LEIPZIG-SCHKEUDITZ	5125N	01214E	133		1001.5	1018.2	17.6	-0.3	12.9	-1.5	5	14	-49	1	221 105
09488 DRESDEN-KLOTZSCHE	5108N	01347E	226		991.6	1018.3	17.4	0.0	12.4	-1.6	5	24	-50	1	221 95

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUNSHINE			
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE	TOTAL	% OF AV.	
																	mb
EUROPE																	
GERMAN DEMOCRATIC REPUBLIC																	
09499 GOERLITZ	5110N	01457E	238		989.5	1017.6	16.6	-0.7	12.3	-1.9	8	28	-62	0	254	105	
09548 MEININGEN	5034N	01023E	453		966.2	1019.3	14.8		11.4		6	24			256		
09554 ERFURT-BINDERSLEBEN	5059N	01058E	323		980.8	1019.0	16.3	-0.5	12.3	-1.5	4	18	-39	1	252	120	
09578 FICHELBERG	5026N	01257E	1215		881.8	1519	Y 10.2	-1.0	10.0	-0.8	7	37	-84	1	209	105	
GERMANY, FEDERAL REPUBLIC OF																	
10035 SCHLESWIG	5432N	00933E	48		1011.0	1016.7	15.6	-0.2	14.0	-0.3	10	93	1	3	260	109	
10147 HAMBURG-FUHLBUETTEL	5338N	01000E	16		1015.2	1017.2	16.6	0.0	13.6	-0.8	9	48	-39	1	226	103	
10203 EMDEN-HAFEN	5321N	00712E	12		1016.8	1018.3	16.6	0.3	14.0	-0.7	7	68	-21	2	222	110	
10338 HANNOVER	5228N	00942E	54		1011.9	1018.3	16.9	-0.1	13.1	-1.5	5	23	-52	1	238	116	
10384 BERLIN-TEMPELHOF	5228N	01324E	49		1011.3	1017.1	19.1	-0.6	13.0	-0.7	3	21	-40	1	258		
10410 ESSEN	5124N	00658E	161		1000.5	1019.4	17.3	0.2	13.2	-1.1	7	60	-37	1	255	142	
10438 KASSEL	5118N	00927E	233		991.5	1018.9	17.0	-0.5	12.3	-1.7	4	19	-55	0	244	120	
10628 GEISENHEIM	4959N	00757E	120		1004.7	1018.8	18.9	0.4	13.0	-1.4	5	19	-35	1	304	139	
10739 STUTTGART/SCHNARRENBERG	4850N	00912E	311		985.9	1018.8	18.8	0.8	13.0	-1.3	6	35	-29	2	259		
10763 NUERNBERG	4930N	01105E	312		982.6	1018.9	17.9	-0.1	13.2	-0.7	5	29	-41	1	273	119	
10866 MUENCHEN-RIEM	4808N	01142E	529		957.7	1018.4	17.4	0.1	12.8	-1.2	8	77	-49	2	281	120	
10929 KONSTANZ	4741N	00911E	447		966.8	1018.2	19.0		13.9		7	88	3	298	125		
10961 ZUGSPITZE	4725N	01059E	2962		714.7	3130	Z 2.7	0.7	6.0	-0.1	13	130	-61	1	243	146	
AUSTRIA																	
11028 ST. POELTEN	4812N	01537E	282		983.2	1017.9	-18.4	0.0	12.9	-1.8	7	95	-8	3	261	110	
11035 WIEN/HOHE WART	4815N	01622E	209		991.8	1017.3	19.7	0.3	15.3	0.7	6	53	-20	2	266	100	
11120 INNSBRUCK-FLUGHAFEN	4716N	01121E	598		946.0	1017.3	17.9	0.2	12.2	-1.4	12	135	0	3	271	130	
11146 SONNBLICK	4703N	01257E	3107		701.2	3119	Z 2.0	0.7	6.0	-0.3	14	214	59	5	250	150	
11150 SALZBURG-FLUGHAFEN	4748N	01300E	450		964.4	1017.7	17.9	0.3	13.0	-1.4	12	222	51	5	241	110	
11155 FEUERKOGEL	4749N	01344E	1621		844.5	1540	Y 10.5		10.5		12	206	1	243	125		
11212 VILLACHERALPE	4636N	01340E	2160		789.1	1545	Y 8.8		9.5		11	162	3	288	125		
11231 KLAGENFURT-FLUGHAFEN	4639N	01420E	452		961.6	1017.0	17.7	-0.6	15.1	0.5	8	128	2	3	286	112	
11240 GRAZ-THALERHOF-FLUGHAFEN	4700N	01526E	347		975.0	1017.3	18.5	0.0	15.3	0.0	9	118	-17	3	285	110	
CZECHOSLOVAKIA																	
11406 CHEB	5005N	01224E	471	31	964.2	1018.9	16.2	-0.2	11.9	-1.1	5	23	-44	1	252	117	
11518 PRAHA/RUZYNE	5006N	01417E	369	31	975.0	1018.0	S25.3 17.2	2.3	-0.3	11.3	-2.5	2	4	-68	0	270	111
11520 PRAHA-LIBUS	5000N	01427E	304	31	982.4	1017.9	S27.0 18.7	2.2	1.2	12.5	-1.0	2	5	-66	0		117
11723 BRNO/TURANY	4909N	01642E	246	31	989.0	1017.7	S25.7 18.5	2.3	0.0	12.7	-1.4	9	52	-21	2		
11782 OSTRAVA/MOSNOV	4941N	01807E	256	31	987.5	1017.4	S25.2 17.6	2.1	-0.2	13.5	-1.0	5	51	-52	1	252	106
11903 SLIAC	4838N	01909E	318	31	979.2	1016.7	17.9	-0.2	12.8	-1.4	8	35	-38	1			
11934 POPRAD/TATRY	4904N	02015E	707	31	935.1		15.1	-0.4	11.7	-1.1	9	58	-23	2			
POLAND																	
12160 ELBLAG	5410N	01926E	43		1008.9	1014.0	16.3		14.3		13	102					
12205 SZCZECIN	5324N	01437E	3		1015.1	1015.9	17.2	-0.4	14.4	-0.6	7	42	-27	2			
12295 BIALYSTOK	5306N	02310E	151		995.4	1013.3	15.8	-1.8	14.6	-0.2	15	79	-1	3			
12330 POZNAN	5225N	01650E	92		1005.9	1015.9	16.7	-1.3	13.3	-0.7	7	54	-20	2			
12375 WARSZAWA-OKECIE	5210N	02058E	107		1002.3	1015.0	17.0	-1.1	14.1	-0.6	11	63	-13	3			
12424 WROCLAW II	5106N	01653E	121		1002.8	1017.2	17.7	-0.1	12.8	-2.1	5	24	-73	1			
12497 WLODAWA	5133N	02332E	179		993.6	1014.8	16.6		14.1		30	68					
12695 PRZEMYSL	4948N	02246E	280	31	983.2	1016.2	16.9	-1.0	14.3	-0.8	11	103	4	4			
HUNGARY																	
12772 MISKOLC	4805N	02046E	2327			1015.5	19.7	-0.5	13.7	-2.2	8	62	-12	2	500	84	
12840 BUDAPEST/METEOROLOGIA	4731N	01902E	129		1001.0	1016.1	21.2	-0.4	12.4	-2.3	5	19	-39	1	283	92	
12843 BUDAPEST/LORINC	4726N	01911E	139		999.6	1016.0	21.0	0.2	13.1	-1.8	6	39	-29	2	307	100	
12882 DEBRECEN	4729N	02138E	112		1002.0	1015.6	20.1	-0.5	14.4	-1.9	7	56	-9	3	304	100	
12942 PECS	4600N	01814E	203		993.1	1016.8	20.3	-0.5	13.7	-1.5	8	31	-42	1	304	100	
12982 SZEGED	4615N	02006E	83		1006.3	1016.0	20.4	-0.3	13.7	-2.2	6	70	18	4	317	100	
YUGOSLAVIA																	
13129 ZAGREB/GRIC	4549N	01559E	162	31	997.8	1016.6	21.4	0.2	14.8	-0.1	6	46	-52	1		103	
13274 BEOGRAD	4448N	02028E	132	31	1000.8	1016.1	21.9	0.1	14.4	-1.9	6	37	-35	2			

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE		
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE	TOTAL	% OF AV.
	°	°	m		mb	mb	°C	°C	mb	mb	mm	mm	hr	%		
EUROPE																
YUGOSLAVIA																
13334 SPLIT/MARJAN	4331N	01626E	128	31	999.7	1014.3	25.8	0.5	16.3	0.5	1	10	-23	2	97	
13354 SARAJEVO	4352N	01826E	637	31	944.5	1016.7	19.1	0.3	12.4	-1.4	8	48	-34	1		
13462 TITograd/GOLUBOVCI	4222N	01915E	33	31	1007.6	1013.4	27.0	1.1	16.1	0.6	2	6	-41	1		
13586 SKOPJE-PETROVAC	4158N	02139E	239	31	986.2	1013.7	25.0	2.0	13.1	-2.2	3	24	-9	3		
ROMANIA																
15085 BISTRITA	4709N	02431E	367	31	973.2	1015.7	18.5	-0.2	15.1	-0.3	8	43	-47	1		
15090 IASI	4710N	02738E	104	31	1002.8	1014.9	21.1	0.2	16.5	-0.5	5	64	-8	3		
15120 CLUJ-NAPOCA	4647N	02334E	413	31	967.7	1015.4	18.7	-0.3	14.2	-0.6	5	61	-20	2		
15247 TIMISOARA	4546N	02115E	88	31	1006.1	1016.1	20.8	-0.3	14.0	-2.7	4	83	19	4		
15260 SIBIU	4548N	02409E	444	31	964.9	1016.0	18.9	0.0	16.7	0.7	9	79	-13	3		
15360 SULINA	4509N	02940E	9	31	1013.0	1014.0	22.7	0.4	21.0	-0.2	1	2	-27	1		
BULGARIA																
15511 LOM	4349N	02315E	33		1011.1	1015.0	23.6		17.7		2	6	1	344	110	
15552 VARNA	4312N	02755E	43		1009.6	1014.6	22.2		20.4		2	19	2	310	95	
15614 SOFIA (OBSERV.)	4239N	02323E	595		947.5	1014.4	21.2	1.2	13.2		6	32	-28	1	338	115
15655 BURGAS	4229N	02729E	28		1011.1	1014.4	22.7	0.1	19.7		2	18	-28	2	368	115
ITALY																
16045 UDINE/RIVOLTO	4559N	01302E	53		1010.0	1016.2	22.7	0.5	18.3	0.0	6	78	-12	3	288	
16090 VERONA/VILLAFRANCA	4523N	01052E	68		1008.3	1016.2	24.6	1.5	22.4	2.8	7	47	-13	3		
16110 TRIESTE	4539N	01345E	20		1013.2	1015.5	24.2	0.6	18.3	0.8	7	102	20	4	302	100
16158 PISA/S. GIUSTO	4341N	01023E	1		1015.3	1016.0	23.4	0.9	19.6	0.6	5	28	6	4	299	90
16191 FALCONARA	4337N	01322E	10		1013.6	1015.3	23.2		18.5		3	43			301	95
16230 PESCARA	4226N	01412E	11		1013.3	1014.5	22.8	-0.2	18.4	-0.4	2	120	82	6	307	95
16320 BRINDISI	4039N	01757E	10		1012.4	1013.5	25.3	0.9	24.4	2.7	0	0	-9	1	352	100
16325 MARINA DI GINOSA	4026N	01653E	12		1011.2	1012.6	25.8	1.6	23.4	3.0	2	8	-13	3		
MALTA																
16597 LUQA	3551N	01429E	91	31	1006.8	1015.1	26.7	1.0	22.0	0.4	1	2	1	5	373	97
GREECE																
16622 THESSALONIKI/MIKRA	4031N	02258E	4		1013.1	1013.7	27.3	0.5	17.4	-0.4	4	19	-6	3	308	85
16641 KERKYRA	3937N	01955E	4		1011.9	1012.4	27.3	0.9	21.7	2.4	0	0	-9	0	348	85
16648 LARISSA	3938N	02225E	74		1004.5	1013.0	27.8	0.4	14.3	-1.3	3	50	31	5	306	85
16714 ATHINAI/OBSERVATORY	3758N	02343E	107		999.6	1011.7	28.2	0.9	17.6	0.9	0	0	-4	0	368	100
16726 KALAMATA	3704N	02201E	8		1010.2	1011.2	26.8	0.1	18.8	0.0	0	0	-3	0	330	80
16746 SOUDA	3529N	02407E	151		993.9	1011.3	26.2	-0.2	16.6	-0.1	0	0	0	4	396	80
16754 HERAKLION	3520N	02511E	39		1005.9	1010.5	25.7	-0.5	17.5	-1.8	0	0	-1	0	357	85
TURKEY																
17030 SAMSUN	4117N	03620E	4		1012.3	1012.7	23.3	0.6	22.0	1.8	3	41	11	4		
17050 EDIRNE	4140N	02634E	48		1007.8	1013.8	24.8	0.5	15.8	-0.5	3	19	-11	3		
17062 ISTANBUL/GOZTEPE	4058N	02905E	40		1008.7	1012.5	23.7	0.5	20.0	0.8	1	1	-16	1		
17074 KASTAMONU	4122N	03346E	799		922.2	1011.0	20.8	0.8	13.8	0.5	2	12	-13	2		72
17090 SIVAS	3945N	03701E	1285		869.0	1007.3	20.5	0.7	14.0	3.0	2	7	0	4		83
17092 ERZINCAN	3944N	03930E	1215		874.5	1003.3	25.0	1.2	15.8	4.0	4	8	-3	4		63
17112 CANAKKALE	4008N	02624E	3		1012.4	1013.0	25.4	0.8	21.6	1.6	1	7	-6	4		78
17116 BURSA	4011N	02904E	100		1000.6	1012.1	24.3	0.5	16.2	-1.1	2	39	26	5		74
17130 ANKARA/CENTRAL	3957N	03253E	894		911.2	1010.1	23.9	0.8	13.8	2.3	4	17	7	4		72
17190 AFYON	3845N	03032E	1034		896.6	1008.7	22.8	1.0	14.3	2.6	2	9	-11	3		74
17220 IZMIR	3826N	02710E	25		1005.4	1008.3	28.8	1.3	19.6	0.9	0	0	-2	0		91
17240 ISPARTA	3745N	03033E	997		898.7	1006.5	24.4	1.3	15.1	3.3	2	11	-2	4		79
17270 URFA	3708N	03846E	547		939.6	998.2	32.7	1.3	17.2	5.3	0	7	7	5		83
17280 DIYARBAKIR	3753N	04011E	677		927.3	1001.7	31.4	0.3	12.9	-0.2	0	0	-1	0		81
17292 MUGLA	3712N	02821E	646		935.5	1006.4	27.0	1.1	16.6	3.7	0	7	-6	3		74
17300 ANTALYA	3642N	03044E	57		999.3	1004.1	27.2	-1.0	23.5	1.7	0	0	-3	0		80
17352 ADANA	3659N	03518E	20		1003.2	1005.5	28.1		27.1		0	0		0		
USSR																
22113 MURMANSK	6858N	03303E	46		1008.7	1014.8	12.4	-0.3	11.5	1.0	13	65	4	3	204	85
22165 KANIN NOS	6839N	04318E	49		1007.7	1013.7	11.6	2.2	12.0	2.0	7	27	-11	3	205	85
22550 ARHANGEL'SK	6435N	04030E	13		1010.9	1011.9	17.2	1.2	15.1	2.6	11	51	-11	2	256	80
22602 REBOLY	6349N	03049E	181		989.8	1011.3	14.6	-1.2	13.1	0.6	15	71	6	4	198	70

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUNSHINE		
					MEAN	MEAN	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS	TOTAL	DEPARTURE	QUINTILE	TOTAL	% OF AV.
					STATION	SEA LEVEL	OC	OC	mb	mb	mm	mm	hr	%		
EUROPE																
USSR																
22837 VYTEGRA	6101N	03627E	59		1010.4	1011.0	16.6	0.4	14.5	1.1	13	116	61	6	241	105
26038 TALLIN	5925N	02448E	44		1005.7	1009.7	15.5	-0.9	14.5	0.1	7	100	23	4	223	40
26063 LENINGRAD (TOWN/VILLE)	5958N	03018E	4		1009.1	1009.8	17.0	-0.7	14.6	0.1	15	100	23	4	201	75
26477 VELIKIE LUKI	5623N	03036E	98		998.0	1010.2	15.6	-1.4	14.4	-0.3	19	150	66	5	187	75
26629 KAUNAS	5453N	02353E	75		1001.9	1011.0	16.0	-1.3	14.7	0.2	17	113	40	5	183	70
26850 MINSK	5352N	02732E	234		983.9	1011.1	15.8	-1.7	14.7	0.7	19	149	69	5	186	
27037 VOLOGDA	5917N	03952E	118		995.0	1010.2	16.6	-0.3	15.4	0.9	14	108	35	5	235	80
27196 KIROV	5839N	04937E	164		991.4	1010.9	18.5	0.5	14.9	0.9	11	58	-21	2	269	95
27595 KAZAN'	5547N	04911E	64		995.9	1009.8	19.1	-0.2	15.6	1.2	9	77	11	4	312	105
27612 MOSKVA	5545N	03734E	156		991.9	1010.1	17.5	-0.8	15.4	0.7	14	117	32	4		
33345 KIEV	5024N	03027E	179		994.2	1013.9	17.2	-2.5	13.2	-2.3	1	9	-71	1		
33393 L'VOV	4949N	02357E	325		978.0	1015.6	16.2	-1.5	14.0	-0.7	11	104	7	4	216	
33837 ODESSA	4629N	03038E	64		1010.2	1015.1	21.6	-0.2	16.3	-0.9	3	30	-18	2		
33946 SIMFEROPOL'	4501N	03359E	205		992.7	1013.6	22.3	0.6	14.2	-1.5	2	9	-40	1	392	110
34122 VORONEZ	5142N	03910E	164		993.6	1010.9	19.0	-0.8	15.2	0.2	8	49	-19	2	299	100
34300 HAR'KOV	4956N	03617E	152		994.2	1012.2	20.1	-0.7	15.8	0.7	4	15	-44	1	267	90
34731 ROSTOV-NA-DONU	4715N	03949E	77		1003.4	1012.5	23.2	-0.1	16.4	0.0	2	57	3	3	347	
34880 ASTRAHAN'	4616N	04802E	18		1011.2	1013.6	25.2	0.0	17.9	1.1	4	17	-5	4	378	
37050 PJATIGORSK	4403N	04302E			951.1	1011.9	21.6	0.5	17.3	2.0	3	24	-48	1	202	
37549 TBILISI	4141N	04457E	490		962.1	1009.9	25.2	0.7	18.5	1.7	5	19	-26	1	272	45
ISRAEL																
40180 BEN-GURION INTL AIRPORT	3200N	03454E	49		1002.7	1007.4	25.5	-0.1	23.6	2.0	0	0	-T	0	368	99
40184 JERUSALEM	3147N	03513E	809		924.0	1475	23.0	-0.3	16.2	1.6	0	0	-T	0	389	95
40199 EILAT	2933N	03457E	13		1003.8	1004.9	33.2	0.4	13.2	0.2	0	0	0	5	378	109
JORDAN																
40250 H-4 'IRWAISHED'	3230N	03812E	688		928.7	1002.4	29.1	0.7	11.5	1.0	0	0	-T	0	388	100
40270 AMMAN AIRPORT	3159N	03559E	768		919.7	1004.7	25.4	0.3	13.1	-0.7	0	0	-T	0	377	93
40310 MA'AN	3010N	03547E	1070		883.2	1457	25.4	-0.1	11.5	1.1	0	0	-T	0	399	105
ASIA																
USSR																
20046 POLAR GMD IM.E.T.KRENKELJA	8037N	05803E	20		1014.5	1017.2	1.1	0.3	6.1	0.2	4	26	3	4	202	
20069 OSTROV VIZE	7930N	07659E	18		1016.3	1017.6	0.4	-0.1	6.1	0.1	2	9	-28	1	145	
20292 GMD IM.E.K. FEDOROVA	7743N	10417E	13		1013.8	1015.7	1.2	-0.3	6.4	0.1	8	25	-5	3	215	
20674 OSTROV DIKSON	7330N	08014E	20		1010.6	1016.4	5.3	0.8	8.5	1.2	5	16	-22	1	241	
20891 HATANGA	7159N	10228E	24		1010.8	1014.8	12.8	0.3	9.8	0.0	4	25	-11	2	436	
21432 OSTROV KOTEL'NYJ	7600N	13754E	10		1011.5	1012.5	1.9	-0.7	6.8	-0.2	7	18	-15	1	151	100
21946 COKURDAH	7037N	14753E	48		1000.5	1007.9	9.4	-0.3	9.1	-0.1	13	116	81	6	194	75
21965 OSTROV CETYREH-STOLBOVOJ	7038N	16224E	6		1004.0	1009.1	3.8	1.3	7.3	0.9	5	24	-0	4	162	
23146 MYS KAMENNYJ	6828N	07336E			1012.7	1013.7	15.4	6.6	14.5	5.4	1	3	-27	1		
23205 NAR'JAN-MAR	6739N	05301E	7		1010.8	1012.0	17.8	4.5	15.3	4.3	10	71	-28	4	319	120
23219 HOSEDA-HARD	6705N	05923E	84		1002.1	1012.0	18.0	5.5	12.8	2.5	6	38	-13	2	400	55
23330 SALEHARD	6632N	06632E	35		1010.3	1012.1	-19.0	4.5	15.7	4.5	3	32	-31	2	376	
23472 TURUHANSK	6547N	08757E	32		1005.4	1009.8	20.1	3.3	13.5	0.7	6	44	-16	2		
23552 TARKO-SALE	6455N	07749E	27		1006.6	1010.2	20.6	4.8	13.7	0.4	3	18	-39	1	347	120
23724 NJAKSIMVOL'	6226N	06052E	50		1005.2	1011.2	19.2	-2.8	15.3	2.3	4	19	-51	1	348	
23804 SYKTYVKAR	6140N	05051E	96		997.3	1011.1	18.3	1.3	15.1	1.7	7	37	-26	1	272	95
23884 BOR	6136N	09000E	63		999.8	1006.5	20.1	2.1	14.6	0.6	8	74	15	4	294	95
23933 HANTY-MANSIJSK	6058N	06904E	40		1003.4	1008.9	21.3	3.2	15.8	1.6	1	34	-47	1	414	
24105 ESSEJ	6828N	10222E	271		981.5	1013.3	15.3	1.7	11.7	0.2	2	20	-18	2		
24125 OLENEK	6830N	11226E	127		986.1	1012.2	13.0	-1.6	9.4	-1.1	6	17	-33	1	337	145
24143 DZARDZAN	6844N	12400E	45		1004.2	1008.9	11.8	-3.0	10.3	-1.0	8	33	-10	2		
24266 VERHOJANSK	6733N	13323E	137		991.8	1008.2	11.4	-3.7	9.8	-0.6	12	76	42	5	216	70
24507 TURA	6410N	10004E	186		980.2	1010.9	17.6	0.9	11.1	-0.3	6	27	-26	2	357	140
24641 VILJUJSK	6346N	12137E	107		994.7	1007.8	15.9	-2.1	1.1	-10.8	5	32	-12	3	270	90
24688 OJMJAKON	6316N	14309E	726		920.6	1005.2	12.4	-1.5	10.1	0.4	12	62	9	4	237	85
24738 SUNTAR	6209N	11739E	124		992.4	1008.1	16.2	-1.4	11.2	-1.1	7	29	-26	1	329	105
24817 ERBOGACEN	6116N	10801E	291		974.7	1008.6	16.3	-0.8	11.5	-1.2	6	32	-15	2		
24959 JAKUTSK	6205N	12945E	103		993.4	1005.2	17.1	-1.6	12.2	-0.3	8	81	38	5	318	95
25173 MYS SMIDTA	6855N	17929W	7		1010.0	1010.4	4.2	-0.2	7.3	0.0	6	26	-15	3	258	
25248 ILIRNEJ	6720N	16814E	426		965.4	1006.8	12.9	0.9	10.3	0.8	10	55	12	4	266	100
25325 UST'-OLOJ	6633N	15925E	125		991.7	1006.8	12.2	-0.8	10.5	0.3	15	90	41	5	251	

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE		
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE	TOTAL	% OF AV.	
	'	'	m		mb	mb	°C	°C	mb	mb		mm	mm	mm	mm	hr	%
ASIA																	
SAUDI ARABIA																	
40439 YENBO	2409N	03804E	6		1002.5	1003.2	31.4		23.7		0	0					
41024 JEDDAH(KING ABDUL AZIZ IAP)	2140N	03909E	18			1002.7	38.9				0	0					
41030 MAKKAH	2129N	03950E	310			1010.8	35.3		19.2		0	0					
41036 TAIF	2129N	04033E	1454		852.7	1480 Y	27.9		11.8		0	0					
41062 SULAYEL	2028N	04537E	614		932.6	999.0	38.9		5.6		0	0					
41112 ABHA	1814N	04239E	2093		791.1	1459 Y	22.7		11.5		3	16					
41114 KHAMIS MUSHAIT	1818N	04248E	2054		795.5	1470 Y	23.6		9.8		6	38				379	
41128 NAJRAN	1737N	04426E	1210		874.3	1461 Y	34.8		6.1		0	T				299	
41140 GIZAN	1654N	04235E	3		1002.7	1003.0	33.2		30.8		11	0					
IRAN, ISLAMIC REPUBLIC OF																	
40706 TABRIZ	3805N	04617E	1361		860.3		27.6	2.1	11.7	1.7	1	1		-1	4		
40712 ORUMIEH	3732N	04505E	1312		863.5		25.4		14.0		2	4					
40718 ANZALI	3728N	04928E	-23		1012.5	1009.4	25.9		28.2		3	112					
40745 MASHHAD	3616N	05938E	980		898.7	1005.1	26.9	1.3	9.7	-0.4	0	T		-1	4		
40754 TEHRAN-MEHRABAD	3541N	05121E	1191		876.1	1000.3	30.8	1.3	12.5	4.1	0	T		-1	3		
40800 ESFAHAN	3237N	05140E	1590		836.2	998.1	29.6	1.1	11.3	2.9	2	5		3	5		
40831 ABADAN	3022N	04815E	11		996.8	997.6	37.8	1.8	14.2	-1.5	0	0		0	5		
40848 SHIRAZ	2932N	05235E	1491		844.5	997.4	31.3	2.9	11.0	0.2	0	0		-2	0		
40858 BUSHEHR	2859N	05050E	19		994.7	997.1	34.3		28.7		0	0					
BAHRAIN																	
41150 BAHRAIN MUHARRAQ	2616N	05037E	2		998.1	998.3	34.7		29.4		0	0			5		
QATAR																	
41170 DOHA INTERNATIONAL AIRPORT	2515N	05134E	10		996.1	997.0	35.9		25.3		0	0					
UNITED ARAB EMIRATES																	
41216 ABU DHABI BATEEN AIRPORT	2426N	05428E	3	31	996.1	996.6	34.8	1.0	28.2	-3.0	0	0		0	4		107
41217 ABU DHABI INTL AIRPORT	2426N	05439E	27	31	993.8	996.6	35.1		25.8		0	0					
OMAN																	
41256 SEEB, INTERNATIONAL AIRPORT	2335N	05817E	15		995.6	997.2	36.8		27.6		0	0					
41268 SUR	2235N	05931E	5		996.1	997.6	35.9		20.1		0	0					
41288 MASIRAH	2040N	05854E	19		997.6	999.8	26.7		27.7		1	1			4		
41314 THUMRAIT	1740N	05402E	467		950.9		28.2		25.9		0	T					
41316 SALALAH	1702N	05405E	22		1001.9	1004.6	26.0		29.6		8	23			3		
PAKISTAN																	
41530 PESHAWAR	3401N	07135E	360		955.5	993.9	32.3	0.3	28.3	1.6	1	2		-43	1		
41560 PARACHINAR	3352N	07005E	1726	31	822.8	1439 Y	25.2	0.7	17.7	-0.4	9	104		-34	3		
41598 JHELUM	3256N	07343E	234	31	970.4	996.0	30.6	0.6	31.6	1.6	15	213		-68	2		
41624 DERA ISMAIL KHAN	3149N	07055E	173		975.5	994.7	32.9	-0.1	31.3	0.4	3	42		-26	3		
41640 LAHORE CITY	3133N	07420E	215		972.6	996.2	31.1	-0.6	31.7	1.5	8	182		5	3		97
41660 QUETTA AIRPORT	3015N	06653E	1589		832.7	1404 Y	28.9	1.6	10.4	-4.1	0	0		-17	3		94
41675 MULTAN	3012N	07126E	123		981.5	994.8	34.7	0.4	30.2	1.1	1	5		-52	1		
41712 DAL BANDJIN	2853N	06424E	850		905.0	1415 Y	35.2	1.5	10.5	0.3	0	0		-7	4		
41715 JACOBABAD	2818N	06828E	56		988.5	994.5	34.7	-0.3	32.7	3.0	1	6		-32	3		
41739 PANJGUR	2658N	06406E	981		893.4	1424 Y	32.9	1.7	12.6	-8.5	0	0		-26	3		
41756 JIWANI	2504N	06148E	57		991.3	997.4	29.9	-0.3	31.5	-0.5	1	1		-20	3		
41765 HYDERABAD	2523N	06825E	30		991.5	996.3	32.1	-0.4	30.7	1.4	0	0		-61	1		
41768 CHHOR	2531N	06947E	6		996.4	997.1	31.3	0.0	29.6	-1.1	2	22		-52	2		
41780 KARACHI AIRPORT	2454N	06708E	22		996.2	998.7	29.3	-1.0	30.3	-1.8	0	0		-100	1		45
BANGLADESH																	
41883 BOGRA	2451N	08922E	20		997.2	999.3	28.9		34.9		27	499					
41891 SYLHET	2454N	09153E	35		997.1	1001.2	28.4		32.2		30	603					
41923 DHAKA	2346N	09023E	9		998.9	1000.0	28.6		32.5		28	567					
41978 CHITTAGONG (PATENGA)	2216N	09149E	6		1001.3	1001.8	27.4		31.4		29	910					
41992 COX'S BAZAR	2126N	09158E	4		1001.7	1002.1	28.4		31.9		30	1123			4		
INDIA																	
42027 SRINAGAR	3405N	07450E	1587	31	832.1	1397 Y	24.7	0.5	20.1	-0.2	6	30		-20	2		94
42071 AMRITSAR	3138N	07452E	234		971.0	996.9	29.4	-1.2				346		162	6		
42147 MUKTESWAR KUMAON	2928N	07939E	2311	31	770.5	3121 Z	16.4	-1.2	18.6	0.3	17	451		134	5		

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS	TOTAL	DEPARTURE	QUINTE	TOTAL	% OF AV.
ASIA																
LAO PDR																
48938 SAYABOURY	1914N	10144E	326		982.1	1001.4	27.0		29.2		18	171				
48940 VIENTIANE	1757N	10234E	171		986.5	1005.8	27.7	0.2	30.0	0.3	21	191	-54	2		
48948 SENO	1640N	10500E	184		984.1	1005.1	25.8	-1.1	28.7	0.4	18	362	62	4		
48955 PAKSE	1507N	10547E	102		995.2	1005.9	27.9		29.0		22	433				
CHINA																
50527 HAILAR	4913N	11945E	611		932.8	1001.3	20.2	0.5	17.3		15	127	-30	4	272	95
50745 QIQIHAR	4723N	12355E	148		985.3	1002.1	23.7	1.0	20.5		9	94	-61	2	284	105
51076 ALTAY	4744N	08805E	737		922.7	1004.7	21.1	-1.0	14.2		7	42	22	5	341	100
51431 YINING	4357N	08120E	663		932.5	1006.4	22.5	-0.1	15.3		6	36	12	5	339	105
51463 URUMQI	4347N	08737E	919		904.8	1005.2	23.1	-1.6	12.6		8	51	31	5	304	95
51709 KASHI	3928N	07559E	1291		864.8	1001.5	24.3	-1.7	13.6		1	6	-2	4	327	105
51777 RUOQIANG	3902N	08810E	889		904.4	1000.2	26.6	-0.5	13.6		1	4	-2	3	299	100
51828 HOTAN	3708N	07956E	1375		853.2	999.6	24.7	-0.8	14.6		2	10	6	5	274	115
52203 HAMI	4249N	09331E	739		919.5	1000.1	25.7	-1.5	13.8		3	7	1	4	311	95
52533 JIUQUAN	3946N	09829E	1478		845.6	1001.6	21.7	-0.1	13.2		5	14	-6	2	270	95
52836 DULAN	3618N	09806E	3192		690.9		14.5	-0.4	7.9		9	45	-65	3	259	95
52889 LANZHOU	3603N	10353E	1518		841.2		23.5	1.3	14.4		8	36	-28	1	275	105
53068 ERENHOT	4339N	11200E	966		894.1	998.9	22.3	-0.6	15.0		11	68	36	6	295	95
53614 YINCHUAN	3829N	10613E	1112		881.0	1000.3	23.5	0.1	18.7		6	56	12	4	308	110
54292 YANJI	4253N	12928E	178		985.7	1006.3	20.8	-0.6	20.4		10	116	20	4	131	70
54342 SHENYANG	4146N	12326E	43		997.9	1003.0	24.2	-0.3	24.7		10	93	-96	2	215	100
54511 BEIJING	3956N	11617E	55		995.6	1001.9	25.6	-0.3	25.6		14	223	36	4	143	60
54857 QINGDAO	3604N	12020E	77		995.1	1003.9	24.3	-0.3	27.8		12	227	32	4	211	115
56137 QAMDO	3109N	09710E	3307		680.9		15.8	-0.3	11.3		16	124	18	5		
56294 CHENGDU	3040N	10401E	508		945.6	1001.9	25.1	-0.5	27.7		11	234	-2	3	121	75
56571 XICHANG	2754N	10216E	1599		834.1		22.7	0.1	20.1		13	208	-8	3	170	95
56739 TENGCHONG	2507N	09829E	1649		830.6		19.4	-0.3	20.1		27	361	117	6	27	35
56778 KUNMING	2501N	10241E	1892		806.9		19.4	-0.4	19.3		16	163	-48	2	75	50
56985 MENGZI	2323N	10323E	1302		864.0	1003.2	22.3	-0.6	21.6		18	146	-23	3	95	65
57036 XI'AN	3418N	10856E	398		956.7	1001.0	27.1	0.7	25.2		7	64	-22	2	226	95
57083 ZHENGZHOU	3443N	11339E	111		989.2	1001.8	27.6	0.1	29.6		13	101	-54	2	200	90
57461 YICHANG	3042N	11118E	134		987.1	1002.2	28.7	0.5	30.0		13	253	23	4	212	95
57745 ZHIJIANG	2727N	10941E	273		972.6	1003.2	27.4	-0.1	28.6		6	91	-64	2	275	110
57993 GANZHOU	2551N	11457E	125		990.8	1004.8	29.9	0.1	28.4		9	106	26	4	294	105
58367 SHANGHAI	3110N	12126E	7		1004.3	1005.1	29.6	1.7	31.7		6	38	-95	1	268	115
58606 NANCHANG	2836N	11555E	50		998.4	1003.6	30.8	1.1	30.5		4	42	-74	1	296	110
59287 GUANGZHOU	2308N	11319E	8		1004.2	1005.1	29.3	0.8	31.3		10	143	-72	3	221	95
59316 SHANTOU	2324N	11641E	3		1005.2	1006.1	28.4	0.1	31.7		9	269	79	4	263	110
59758 HAIKOU	2002N	11021E	15		1002.9	1004.6	28.7	0.3	32.5		14	192	-22	3	254	100
AFRICA																
MADEIRA																
08522 FUNCHAL	3238N	01654W	56	31	1013.8	1020.4	22.4	1.4	20.0	1.9	1	4	2	5		
SPAIN (CANARY ISLANDS)																
60020 SANTA CRUZ DE TENERIFE	2828N	01615W	46		1013.5	1017.7	24.4	-0.1	18.5	2.0	0	0	-T	0	354	104
WESTERN SAHARA																
60096 VILLA CISNEROS	2342N	01552W	10		1011.9	1013.2	21.6	0.1	22.0	1.1	0	0	-T	0	271	
MOROCCO																
60150 MEKNES	3353N	00532W	549		953.1	1014.0	26.4	1.7	18.0	2.3	0	0	-2	4	321	89
60230 MARRAKECH	3137N	00802W	466		961.2	1012.9	28.6	0.9	18.3	3.7	0	T	-1	4	310	123
60250 AGADIR	3023N	00934W	23		1011.3	1014.0	21.9	0.3	21.1	1.6	1	1	1	6	252	88
60265 OUARZAZATE	3056N	00654W	1140		891.0	1555.9	29.7	-0.3	9.8	1.6	2	6	5	5	273	93
NIGER																
61017 BILMA	1841N	01255E	357		967.5	1006.3	34.2	1.2	16.0	4.7	0	T	-3	3	304	90
61024 AGADEZ	1658N	00759E	502		952.7	1007.2	31.7	0.1	19.7	2.2	8	46	6	4	315	105
61036 TILLABERY	1412N	00127E	210		986.6	1010.0	29.8	0.3	24.9	-0.9	9	114	-20	2	244	95
61043 TAHOUA	1454N	00515E	391		966.4	1009.4	29.1	-0.1	22.8	-0.9	8	74	-47	1	261	95
61045 GOURE	1359N	01018E	460		960.7	1009.2	29.3		22.2			118		3		
61049 N'GUIGMI	1415N	01307E	286			1008.6	30.4	0.1	24.4	0.2	6	34	-32	3		

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE		
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE	TOTAL	% OF AV.
AFRICA																
NIGER																
61052 NIAMEY-AERO	1329N	00210E	227		985.0	1010.4	28.1	-0.3	26.3	1.6	9	142	-25	2	236	95
61075 BIRNI-N'KONNI	1348N	00515E	273		979.7	1010.0	28.4	-0.1	26.1	1.0	11	157	6	4	258	45
61080 MARADI	1328N	00705E	373		967.4	1008.7	27.7	0.0	24.9	-0.2	12	188	26	4	275	105
61090 ZINDER	1347N	00859E	453		959.8	1009.7	28.7	0.3	23.2	0.4	7	128	-21	3	265	105
61091 MAGARIA	1259N	00856E	403		966.4	1011.0	27.9		24.4		12	252		5	264	
61096 MAINE-SOROA	1314N	01159E	337		972.3	1009.6	28.6	-0.1	23.5	1.4	10	145	40	5	227	85
61099 GAYA	1153N	00327E	203		987.9	1010.7	27.0	-0.1	26.4	-1.3	13	212	60	5	213	90
MALI																
61223 TOMBOUCTOU	1643N	00300W	264		979.8	1008.7	32.2	0.5	22.3	1.3	5	47	-12	4	255	85
61226 GAO	1616N	00003W	260		980.3	1009.0	32.5	0.4	21.6	-0.1	6	42	-26	1		
61257 KAYES	1426N	01126W	47		1006.9	1012.2	28.8	0.3	28.8	2.6	9	129	-47	2	217	110
61265 HOPTI	1431N	00406W	272		980.5	1010.7	28.9	0.2	24.7	-0.1	7	118	-27	2	258	114
61297 SIKASSO	1121N	00541W	375		965.3	1011.3	25.4	-0.6	25.5	-0.7	13	162	-91	1	207	100
MAURITANIA																
61415 NOUADHIBOU	2056N	01702W	3		1012.2	1012.7	22.8	-0.1	21.8	1.4	1	3	2	5	190	
SENEGAL																
61600 SAINT-LOUIS	1603N	01627W	4		1012.1	1012.6	26.6	-0.4	29.1	2.1	6	51	5	4	234	
61612 PODOR	1639N	01458W	7		1011.2	1012.0	30.0	-0.8	23.7	0.1	4	24	-29	2	262	
61627 LINGUERE	1523N	01507W	21		1009.6	1011.9	29.6	-0.1	26.3	0.5	3	74	-19	3	266	
61630 MATAM	1539N	01315W	17		1009.6	1011.5	31.8	1.6	24.3	-0.6	4	200	88	5	265	
61641 DAKAR/YOFF	1444N	01730W	24		1009.7	1013.0	26.5	-0.5	27.6	-0.1	3	25	-58	2	229	
61666 DIOURBEL	1439N	01614W	9		1010.9	1011.9	28.8	-0.1	29.2	1.7	8	29	-104	1	263	
61679 KAOLACK	1408N	01604W	7		1012.7		31.4	2.8	10.7	-17.8						
61687 TAMBACOUNDA	1346N	01341W	50		1006.7	1012.4	27.8	0.4	28.2	1.4	12	139	-68	1	243	
61695 ZIGUINCHOR	1233N	01616W	23		1010.5	1013.1	26.9	0.0	30.4	1.3	17	212	-112	1	192	
61698 KOLDA	1253N	01458W	10				27.3	-0.2	29.5	2.0	6	265	-8	3	171	
61699 KEDOUGOU	1234N	01213W	167		993.5	1011.5	26.6	-0.2	27.4	-0.5	16	155	-123	0	199	
GAMBIA																
61701 BANJUL/YUNDUM	1321N	01648W	36		1007.6	1011.2	27.9	1.1	28.7	2.1	14	265	19	3	30	55
SIERRA LEONE																
61856 LUNGI	0837N	01312W	27	31	1010.4	1013.3	25.7	0.4	28.6	0.4	28	560	-135	2		
61866 BONTHE	0732N	01230W	8	31	1012.6	1013.5	25.6	0.2	29.4	0.3	25	857	91	4		
61878 NJALA	0806N	01206W	56	31	1003.8	1010.6	25.5	0.2	28.4	0.2	14	353	-63			
61886 KABALA	0935N	01133W	464	31	960.0	1012.2	24.3	0.2	25.7	0.4	25	152	-144	1		
61891 DARU	0759N	01051W	186	31	991.3	1012.6	25.7	0.5	27.0	-0.2	12	206	-107	2		89
UNITED KINGDOM (OCEAN IS.)																
61901 ST. HELENA IS.	1556S	00540W	436		969.7	1020.7	17.0	1.9	15.5		10	44	-45	1	141	
FRANCE (OCEAN ISLANDS)																
61968 ILES GLORIEUSES	1135S	04717E	4		1017.7	1018.2	24.2	-0.4	21.8	0.2	8	44	-5	3	271	
61970 ILE JUAN DE NOVA	1703S	04242E	10		1017.5	1018.7	24.7	0.4	23.0	0.2	3	7	-12	3	288	
61972 ILE EUROPA	2219S	04020E	13		1020.0	1021.5	21.3	0.1	17.1	-1.3	2	17	6	4	258	95
61976 SERGE-FROLOW (ILE TROMELIN)	1553S	05431E	13		1016.5	1017.9	23.7	0.0	21.1	-1.3	7	10	-57	0	267	
61980 SAINT-DENIS/GILLOT (REUNION)	2053S	05531E	25		1017.7	1020.6	20.9	0.0	16.5	-1.4	4	14	-62	1	242	105
MAURITIUS																
61974 AGALEGA	1026S	05645E	3		1014.4	1014.7	25.1	0.0	24.6	-0.9	12	54	-44	3		
61986 ST. BRANDON (ST. RAPHAEL)	1627S	05937E	4		1017.2	1017.5	23.3	-0.2	23.8	0.1	10	39	-23	2		
61988 RODRIGUES	1941S	06325E	59		1013.4	1019.7	21.9	0.0	20.0	0.2	9	29	-51	0	231	101
61990 PLAISANCE (MAURITIUS)	2026S	05740E	57		1014.3	1020.2	20.5	-0.4	17.8	-1.9	11	62	-57	1	194	107
LIBYAN ARAB JAMAHIRIYA																
62010 TRIPOLI INTL AIRPORT	3240N	01309E	81	31	1005.6	1014.8	27.4	0.6	20.6	2.6	1	1	1	5		
62053 BENINA	3205N	02016E	132	31	998.6	1013.8	25.5	-0.2	21.4	0.9	0	0	-7	0		
62124 SEBHA	2701N	01426E	432	31	963.8	1011.7	30.1	-0.3	10.0	-2.1	0	0	0	5	101	
62271 KUFRA	2413N	02318E	435	31	964.5	1009.2	31.4	0.9	8.8	-0.2	0	0	0	5	100	
SUDAN																
62641 PORT SUDAN	1935N	03713E	2	31	1003.8	1004.1	34.3	0.7	23.1	-3.2	0	0	-5	0		

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUNSHINE		
					MEAN	MEAN	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS	TOTAL	DEPARTURE	QUINTILE	TOTAL	% OF AV.
					STATION	SEA LEVEL	OC	OC	mb	mb	MM	MM	MM	MM	hr	%
AFRICA																
SUDAN																
62721 KHARTOUM	1536N	03233E	380	31	963.3	1005.7	33.4	2.4	17.6	-1.9	2	2	-46	1		
62771 EL OBEID	1310N	03014E	574	31	945.2	1008.5	28.2	1.2	21.7	-0.1	13	104	-8	3		
62805 DAMAZINE	1147N	03423E	470	31	955.9	1008.2	26.3	0.8	24.7	0.6	16	177	-11	3		
ETHIOPIA																
63021 ASMARA	1517N	03855E	2325		772.1		16.8	0.3	14.7	0.4	13	111	-96	1	108	
63331 GONDAR	1232N	03726E	1966	31	805.1		17.2	-0.6	15.8	-0.5	26	358	3	4		
63402 JIMMA	0740N	03650E	1577	31	833.8		18.8	0.6	16.8	0.2	22	279	67	5		
63450 ADDIS ABABA	0859N	03848E	2324	31	765.4		16.3	1.1	11.8		21	215	-36	2		
63471 DIRE DAWA	0936N	04152E	1146	31	884.1		27.2	0.3	16.2	-0.7	11	68	-16	2		
DJIBOUTI																
63125 DJIBOUTI	1133N	04309E	19		1000.6	1002.7	35.2	0.2	24.5	1.0	1	8	-3	4	266 100	
KENYA																
63619 MOYALE	0332N	03903E	1097				19.0		22.0		1	30	14	5	112	
63686 ELDORET	0032N	03517E	2133		791.3	1507	15.8		13.5		18	617	3	226	125	
63723 GARISSA	0028S	03938E	147		999.0	1001.6	27.0	0.3	17.0	-3.8	0				270	
63740 NAIROBI/KENYATTA AIRPORT	0119S	03655E	1624		841.2	1530	16.9	0.1	13.5						133 100	
63799 MALINDI	0314S	04006E	23		1001.4	1001.7	25.1		13.0		3	38	-51	2	220 90	
SEYCHELLES																
63980 SEYCHELLES INTL AIRPORT	0440S	05531E	3		1013.0	1013.4	25.6	-0.3	26.7		8	44	-12	3	231 100	
RWANDA																
64387 KIGALI	0158S	03007E	1497		852.5	1519	21.1		13.2		0	0				
BENIN																
65306 KANDI	1108N	00256E	292		979.0	1013.0	20.6	-5.3	26.1	-0.9	10	138	-66	1	173	
65319 NATITINGOU	1019N	00123E	461		961.3	1012.6	24.3	-0.2	25.6	0.2	16	306	72	4	127	
65330 PARAKOU	0921N	00237E	393		968.6	1012.5	24.2	-0.3	25.0	0.1	17	183	-6	3	130	
65335 SAVE	0759N	00226E	200		990.4	1013.0	24.5	-0.4	25.1	-1.0	16	143	-40	3		
65338 BOHICON	0710N	00204E	167	31	994.2	1013.2	24.7	-0.4	27.1	0.9	11	301	165	6		
65344 COTONOU	0621N	00223E	9		1012.4	1013.4	25.7	0.1	27.8	-0.3	7	147	-5	3	106	
TOGO																
65352 MANGO	1022N	00028E	146		995.4	1011.9	26.0	0.0	28.4	0.3	12	191	2	3		
65361 SOKODE	0859N	00109E	387		969.1	1013.2	23.9	-0.5	25.8	0.1	21	205	-45	2	89 70	
65376 ATAKPAME	0735N	00107E	402		967.6	1013.4	23.4	-0.4	26.4	1.2	16	232	16	4		
65380 TABLIGBO	0635N	00130E	44		1007.8	1013.0	25.1	-0.1	27.0	-0.5	7	80	-25	3		
65387 LOME	0610N	00115E	25		1010.9	1013.6	25.2	0.3	29.2	1.9	6	67	-33	3	110 85	
BURKINA FASO																
65501 DORI	1402N	00002W	277		979.2	1010.1	29.5	0.8	25.6	-0.1	12	123	-34	2	204	
65502 OUAHIGOUYA	1334N	00225W	336		973.0	1010.3	28.0	0.0	24.4	-1.4	13	154	-30	3	278	
65503 OUAGADOUGOU	1221N	00131W	306		977.2	1011.3	27.2	0.1	25.9	-0.4	12	162	-26	2	232 95	
65507 FADA N'GOURMA	1202N	00022E	309		976.8	1011.4	26.4	-0.2	26.0	-0.3	13	92	-111	1		
65510 BOBO-DIOULASSO	1110N	00419W	460		960.8	1012.1	24.9	-0.4	25.4	0.3	15	251	20	4	176	
65522 GAOUA	1020N	00311W	335		974.3	1011.8	25.3	-0.4	26.0	0.1	12	285	100	5	184	
COTE D'IVOIRE																
65528 ODIENNE	0930N	00734W	421		965.0	1012.0	24.4	-0.5	25.6	0.2	19	331	38	4		
65545 BONDOUKOU	0803N	00247W	370		970.1	1013.0	24.0	0.0	25.0	-0.3	6	128	41	4		
65548 MAN	0723N	00731W	340		975.5	1013.9	23.1	-0.4	25.7	0.6	14	266	76	4		
65555 BOUAKE	0744N	00504W	376		969.9	1013.7	23.5	-0.4	25.2	0.3	5	53	-65	2		
65557 GAGNOA	0608N	00557W	210		990.1	1014.0	24.3	-0.2	25.9	0.1	4	11	-95	0		
65560 DALOA	0652N	00628W	277		982.1	1013.4	23.5		25.4		8	60	-57	2		
65562 DIMBOKRO	0639N	00442W	92		1002.9	1013.4	25.7	0.0	27.1	0.6	0	0	-125	0		
65563 YAMOOUSSOUKRO	0654N	00521W	213		989.4	1012.5	24.4		25.7		7	47				
65578 ABIDJAN	0515N	00356W	8		1012.9	1013.7	24.7	-0.3	28.3	0.8	4	49	-263	2		
65585 ADIAKE	0518N	00318W	39				24.5	-0.1	25.6	-1.4	28	76	-134	1		
65592 TABOU	0425N	00722W	21				24.1	-0.9	26.4	-0.2	11	68	-112	2		
65594 SAN PEDRO	0445N	00639W	30		1010.3	1013.7	24.4		28.7		7	22				

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUNSHINE		
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE	TOTAL	% OF AV.
AFRICA																
LIBERIA																
65660 ROBERTS FIELD	0615N	01021W	18		1006.8	1014.4	24.3	-0.2	26.6	-0.7	5	8	-621	0		
COMOROS (FRANCE)																
67005 DZAUDZI/PAMANZI (MAYOTTE)	1248S	04517E	7		1016.6	1017.4	24.5	0.1	22.8	-1.3	4	30	17	5	282	
MOZAMBIQUE																
67217 LICHINGA	1317S	03515E	1365				15.7	1.3	11.3	-0.1	0	0	-3	0		
67237 NAMPULA	1506S	03917E	441		968.7	1012.0	20.4	0.9	1.7	-15.2	5	65	50	6		
67261 TETE	1611S	03335E	150		1002.3	1019.8	23.0	1.4	17.8	2.3	0	0	-3	0		
67283 QUELIMANE	1753S	03653E	16		1019.4	1021.3	20.5	-0.3	19.5	0.0	5	22	-46	1		
67323 INHAMBANE	2352S	03523E	15		1020.5	1022.1	20.7	0.8	18.9	1.2	1	2	-38	1		
ZAMBIA																
67475 KASAMA	1013S	03108E	1384		866.5	1544	Y 17.4	0.5	9.8	-0.8	0	0	-3	5		
67633 MONGU	1515S	02309E	1053		900.2	1542	Y		9.0	0.3	0	0	-1	0	307 101	
67663 KABWE	1427S	02828E	1207		885.0	1549	Y 17.0	1.3	10.2	0.8	0	0	0	5		
67743 LIVINGSTONE	1749S	02549E	986		908.1	1549	Y 18.1	2.2	8.0	-0.2	0	0	0	5	309 104	
MALAWI																
67586 KAMUZU INTL.	1347S	03346E	1229	31	883.7	1550	Y 15.5		10.5		0	0	0			
ZIMBABWE																
67775 HARARE (KUTSAGA)	1755S	03108E	1480		858.7	1562	Y 13.9	0.6	8.5	0.2	0	0	-1	0	307 112	
67964 BULAWAYO (GOETZ OBSY.)	2009S	02837E	1344		872.1	1561	Y 15.9	2.2	8.4	0.9	0	0	0	0	294 103	
SOUTH AFRICA																
68174 PIETERSBURG	2352S	02927E	1200		888.2	1569	Y 13.5	1.9	8.7	1.3	0	0	-2	0	281 104	
68262 PRETORIA	2544S	02811E	1300		877.4	1566	Y 13.2	2.2	6.8	0.1	1	1	-5	4	294 102	
68368 JAN SMUTS	2608S	02814E	1700		837.0	1573	Y 9.1	-0.6	7.0	1.3	1	3	-4	4	290 102	
68424 UPINGTON	2824S	02116E	800		930.1	1550	Y 11.5	-0.2	5.9	-0.4	0	0	-3	0	289 101	
68438 KIMBERLEY	2848S	02446E	1200		887.7	1559	Y 9.3	-1.1	5.1	-0.8	0	0	-8	3	271 96	
68442 BLOEMFONTEIN (J.B.M.HERTZOG)	2906S	02618E	1400		866.6	1559	Y 6.8	-0.5	4.7	-0.9	1	8	-2	4	253 93	
68461 BETHLEHEM AIRPORT	2815S	02820E	1700		836.1	1565	Y 6.8		4.9		3	13			264 105	
68476 LADYSMITH	2834S	02946E	1100		896.9	1549	Y 12.0		7.1						251 105	
68588 DURBAN (LOUIS BOTHA)	2958S	03057E	8		1019.4	1021.0	17.8	1.6	13.7	0.2	1	1	-33	1	204 89	
68816 CAPE TOWN (O.F. MALAN)	3359S	01836E	42		1014.4	1020.2	11.7	-0.1	11.1	-0.1	15	124	51	5	151 82	
68828 GEORGE AIRPORT	3400S	02223E	193		995.2	1018.9	12.3	-0.2	9.8		5	8	-39	1	217 100	
68842 PORT ELIZABETH	3359S	02536E	60		1011.6	1018.9	13.5	-0.1	10.8	-0.9	1	3	-48	0	240 107	
68858 EAST LONDON	3302S	02750E	125		1004.4	1019.0	15.1	0.1	11.6	-0.3	0	0	-46	1	242 102	
68994 MARION ISLAND	4653S	03752E	22		1001.7	1004.4	5.0	1.2	7.5	0.6	24	216	3	4	64 105	
N AMERICA																
USA																
70026 BARROW/W. POST W. ROGERS, AK.	7118N	15647W	4		1014.6	1015.0	5.9	2.0	8.4	1.2	6	34	12	4		
70086 BARTER ISLAND, AK.	7008N	14338W	15				7.6	3.2			0	0	-26	0		
70133 KOTZEBUE, RALPH WIEN, AK.	6652N	16238W	5				14.9	3.2	12.8	1.2	5	23	-14	2		
70200 NOME, AK.	6430N	16526W	7		1010.5	1011.2	13.6	3.3	12.7	2.9	12	118	62	6		
70219 BETHEL/BETHEL AIRPORT, AK.	6047N	16148W	46		1007.6	1013.2	14.2	1.6	11.8	0.5	10	69	15	4		
70231 MCGRATH, AK.	6258N	15537W	103		1001.1	1013.7	16.9	2.3	11.8	0.9	8	55	3	4		
70261 FAIRBANKS/INTL, AK.	6449N	14752W	138		996.5	1013.2	18.5	2.1	11.8	0.1	10	124	79	6		
70273 ANCHORAGE/INTL, AK.	6110N	15001W	40		1010.7	1015.6	14.8	0.2	12.3	0.5	8	5	-45	0		
70308 ST. PAUL, AK.	5709N	17013W	9		1009.3	1010.4	8.8	1.2	10.2	0.4	8	51	0	3		
70316 COLD BAY, AK.	5512N	16243W	31		1008.9	1012.7	10.1	-0.1	11.0	-0.5	9	54	-10	3		
70326 KING SALMON, AK.	5841N	15639W	15		1010.3	1012.3	13.4	0.8	11.1	0.5	15	126	73	6		
70361 YAKUTAT, AK.	5931N	13940W	9				12.8	0.9	13.2	1.1	15	433	223	5		
70398 ANNETTE ISLAND, AK.	5502N	13134W	34		1016.1	1020.2	16.7	2.3	13.2	0.9	6	68	-52	1		
72201 KEY WEST/INTL, FL.	2433N	08145W	6		1016.4	1017.2	29.3	0.1	28.3		11	104	13	4	325 100	
72202 MIAMI, FL.	2549N	08017W	4		1017.5	1017.9	28.6	0.6	27.9	-0.1	12	110	-42	2	330 105	
72203 WEST PALM BEACH/INTL, FL.	2641N	08007W	6		1016.7	1017.5	28.5		28.5		16	258			5	
72205 ORLANDO/JETPORT/ FL.	2826N	08119W	32		1014.1	1018.0	28.2		27.4		12	170				
72206 JACKSONVILLE/INTL, FL.	3030N	08142W	9		1016.4	1017.6	28.6	0.6	27.1	-0.1	11	166	3	4	338 133	
72207 SAVANNAH/MUNICIPAL, GA.	3208N	08112W	15		1015.2	1017.0	29.1		25.9		4	49	1		295 110	
72208 CHARLESTON/MUN., SC.	3254N	08002W	15		1016.1	1017.9	28.7	1.7	27.2	1.3	10	151	-35	2	243 80	
72211 TAMPA/INTL, FL.	2758N	08232W	3		1017.5	1018.0	28.1		28.7		18	254	5		225 85	

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE		
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE	TOTAL	% OF AV.
N AMERICA																
CANADA																
71945 FORT NELSON, B.C.	5850N	12236W	382		969.9	1015.5	18.1	1.5	12.2	0.0	5	23	-61	0		
71957 INUVIK, N.W.T.	6818N	13329W	68		1005.6	1014.1	15.5	1.9	11.0	1.1	6	58	24	5	288 85	
71964 WHITEHORSE, Y.T.	6043N	13504W	703		934.4	1017.6	15.0	0.9	9.0	-0.2	6	16	-18	1	275 110	
ST. PIERRE AND MIQUELON																
71805 SAINT-PIERRE	4646N	05610W	5	31	1013.8	1014.4	12.9	0.5	12.6	-1.1	8	62	-28	1		
MEXICO																
76225 UNIV. DE CHIHUAHUA, CHIH.	2838N	10605W	1435		859.6	1009.6	22.9	-2.6	18.5	1.7	18	206	122	5	185 100	
76393 MONTERREY, N.L.	2552N	10012W	512		956.5	1013.1	27.2	-0.9	22.2	-0.9	5	28	-31	3	162 140	
76525 ZACATECAS, ZAC. (LA BUFA, ZAC)	2247N	10234W	2612		749.7	1011.8	14.4	-0.6	12.2	0.4	17	292	253	6	238 105	
BAHAMAS																
78073 NASSAU AIRPORT	2503N	07728W	7		1016.6	1017.4	28.1	0.4	29.5	0.3	11	174	17	4	95	
CUBA																
78325 CASA BLANCA, HABANA	2310N	08221W	50		1010.8	1016.5	27.4	0.3	28.7		8	56	-49	2		
JAMAICA																
78388 MONTEGO BAY/SANGSTER	1830N	07755W	8		1014.7	1015.6	27.6	0.0	27.7	2.0	9	39	-12	3	251 110	
78397 KINGSTON/NORMAN MANLEY	1756N	07647W	14		1012.8	1014.4	28.4	-0.2	26.3	0.1	3	30	-12	3		
HAITI																
78437 PORT-AU-PRINCE (DAMIEN)	1836N	07217W	20	31	1012.9	1014.6	28.8	-0.2	27.6	0.6	7	54	-6	3		
PUERTO RICO AND US POSS																
78526 SAN JUAN/INTL, PUERTO RICO	1826N	06600W	19		1014.8	1016.8	28.1	0.5	28.5	0.8	14	146	19	4		
HONDURAS																
78701 GUANAJA	1628N	08555W	2		1014.2	1014.2	29.0	1.0	32.4	1.2	17	130	-98	1		
78705 LA CEIBA (AIRPORT)	1544N	08652W	26		1012.6	1013.9	26.6	-0.7	28.0		10	119	-7	4		
78706 TELA	1543N	08729W	3		1013.1	1013.5	27.1	0.0	32.0	3.7	14	252	36	4		
78708 LA MESA (SAN PEDRO SULA)	1527N	08756W	31		1008.8	1012.4	29.9	2.8	27.7	-0.3	8	54	-70	1		
78711 PUERTO LEMPIRA	1513N	08348W	13		1011.3	1012.7	27.6	0.2	30.0	-0.7	18	246	-38	3		
78714 CATACAMAS	1454N	08556W	442		969.5	1014.8	25.3	0.9	24.6	1.0	19	191	-34	2		
78720 TEGUCIGALPA	1403N	08713W	1007		904.0	1012.9	22.8	0.9	19.5	2.0	11	34	-50	1		
78724 CHOLUTECA	1318N	08711W	48		1006.1	1011.6	28.7	0.2	24.1	-1.7	12	130	-32	3		
COSTA RICA																
78760 PUNTARENAS	0958N	08450W	3		1011.7	1011.7	26.8	-0.4	30.7		16	280	64	4	100	
78762 JUAN SANTAMARIA	1000N	08413W	939		910.2	1011.2	23.0	1.4	22.0		17	269	83	5	156 100	
78767 PUERTO LIMON	1000N	08303W	3		1011.4	1011.4	25.4	0.1	28.9		20	280	-66	3	110	
ST. MAARTEN, ST. EUST., SABA																
78866 JULIANA AIRPORT, ST. MAARTEN	1803N	06307W	9		1016.7	1017.2	28.6	0.2	28.7		11	53	-35	1	231 85	
ST. MARTIN, ST. BARTH., GUAD.																
78897 LE RAIZET, GUADELOUPE	1616N	06131W	8		1015.4	1016.3	27.8	0.9	27.7	0.1	16	100	-5	3	264 114	
MARTINIQUE																
78925 LE LAMENTIN	1436N	06100W	4		1014.6	1015.4	27.5	1.7	30.8	3.2	18	246	25	4	260 109	
TRINIDAD AND TOBAGO																
78970 PIARCO INTL AIRPORT, TRINIDAD	1037N	06121W	15		1011.9	1014.4	26.8	0.8	28.3	0.4	22	258	-2	3	251 116	
CURACAO AND BONAIRE																
78988 HATO AIRPORT, CURACAO	1212N	06858W	67		1012.4	1013.3	28.3	0.3	29.2	0.4	10	43	12	4	312 111	
COLOMBIA																
80001 SAN ANDRES (ISLA)	1235N	08143W	6		1011.8	1011.9	27.8	0.0	31.3	1.2	16	292	94	4	203	
S AMERICA																
COLOMBIA																
80009 SANTA MARTA/SIMON BOLIVAR	1108N	07414W	14		1008.0	1008.5	29.3		28.7		9	9			362	

STATION	LATITUDE	LONGITUDE	ELEVATION M	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN- SHINE		
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTEILE	TOTAL	% OF AV.
					mb	mb	OC	OC	mb	mb	mm	mm	mm	mm	hr	%
S AMERICA																
COLOMBIA																
80022 CARTAGENA/CRESPO	1027N	07531W	12		1010.6	1010.8	28.3		31.2		9	68			206	
80028 BARRANQUILLA/ERNESTOCORTISSO	1054N	07446W	30		1009.5	1011.1	28.7	0.8	29.6	0.2	4	29	-36	3	216	
80084 APARTADO	0748N	07642W	30				27.3		28.7		18	313			120	
80091 BARRANCABERMEJA/YARIGUIES	0701N	07348W	134				27.5	-0.7	29.1	1.2	17	251	77	5	195	
80094 BUCARAMANGA/PALONEGRO	0706N	07312W	1189				21.3		21.3		11	28			156	
80097 CUCUTA/CAMILO DAZA	0756N	07231W	317		975.0	1009.7	28.3	0.7	24.0	1.8	8	34	7	4	217	
80099 ARAUCA/SANTIAGO PEREZ	0704N	07044W	128				26.0		27.9		15	170			160	
80112 RIONEGRO/J.M. CORDOVA	0611N	07526W	2142		790.8		17.1		14.2		18	202				
80210 PEREIRA/MATECANA	0449N	07548W	1342		865.7		21.6		18.5		16	166			20	
80214 IBAGUE/PERALES	0426N	07509W	928				24.2		20.5		7	48			183	
80222 BOGOTA/ELDORADO	0442N	07408W	2548		754.1		13.6	0.7	11.2	-0.2	9	36	-7	3	140	
80234 VILLAVICENCIO/VANGUARDIA	0410N	07337W	431				24.4		25.0		21	414			120	
80241 GAVIOTAS	0433N	07055W	167		991.2	1010.7	24.7	0.3	26.6	0.0	8	193	-148	0	127	
80251 BUENAVENTURA/COLPUERTOS	0355N	07705W	10				26.0		30.0		24	780			142	
80259 CALI/PALMASECA	0333N	07623W	969				23.8	-0.1	20.3	0.3	6	25	-8	3	195	
80315 NEIVA/LA MANGUITA	0258N	07518W	443	31			28.2	-0.2	18.9	-1.9	5	21	-13	3		
80337 TUMACO/EL MIRA	0134N	07841W	5	31			25.3	0.1	28.4	0.4	18	155	-16	4		
80342 PASTO/ANTONIO NARINO	0125N	07716W	1826	31			19.7		14.3		5	61				
80370 IPIALES/SAN LUIS	0049N	07738W	2961				9.7	-0.2	9.8	-0.5	7	29	-19	2	178	
80398 LETICIA/VASQUEZ COBO	0410S	06957W	84	31	1004.0	1013.5	24.2	-1.0	25.8	-1.2	12	179	40	4		
GUYANA																
81001 GEORGETOWN	0648N	05809W	2	31	1012.6	1013.0	26.6	-0.1	29.9	0.8	22	406	131	5		
FRENCH GUIANA																
81405 CAYENNE/ROCHAMBEAU	0450N	05222W	9		1012.8	1013.9	26.0	0.5	28.8	0.8	17	164	-96	1	256 123	
BRAZIL																
82098 MACAPA	0002N	05103W	15		1010.7	1012.4	26.7		30.6		16	112				
82106 S.GABRIEL DO CACHOEIRA(UAU.)	0008S	06705W	90		1002.4	1012.2	25.1	0.7	28.3	2.3	20	21	-223	0		
82191 BELEM	0127S	04828W	24		1012.2	1012.8	25.8	-0.2	29.3	1.6	21	218	84	5		
82212 FONTE BOA	0232S	06610W	55		1004.5	1010.9	25.3		30.8		18	152			2	
82246 BELTERRA	0238S	05457W	176		995.4	1015.1	23.9		28.8		16	99				
82280 SAO LUIZ	0232S	04417W	51	31	1006.8	1012.7	25.7	0.1	29.1	0.7	13	228	88	4		
82287 PARNAIBA	0255S	04136W	22				26.3		27.0		3	22				
82331 MANAUS	0308S	06001W	72		1005.4	1013.3	26.0	-0.7	28.3	1.0	13	114	47	5		
82397 FORTALEZA	0344S	03833W	19		1010.5	1013.6	25.9	0.3	27.5	2.2	12	95	16	4		
82410 BENJAMIN CONSTANT	0423S	07002W	65		1004.6	1011.7	25.7	0.2	30.6	4.1	13	136	-22	3		
82562 MARABA	0521S	04909W	102		1001.4	1012.5	26.7		29.3		11	107				
82578 TEREZINA	0505S	04249W	74		1003.5	1013.5	25.8		26.5		23	63			6	
82640 JACAREACANGA	0616S	05744W	98		1001.0	1012.2	25.3		28.3		12	88				
82678 FLORIANO	0646S	04301W	123		998.1	1013.8	27.7	1.1	20.4	1.3	2	64	50	5		
82704 CRUZEIRO DO SUL	0738S	07240W	170		989.8	1010.1	23.5	-0.6	22.9	-2.7	8	50	-40	2		
82765 CAROLINA	0720S	04728W	192		991.1	1015.0	27.2	1.4	20.9	1.6	2	26	15	4		
82791 PATOS	0701S	03716W	249		984.7	1013.2	28.0		21.7		5	146				
82825 PORTO VELHO	0846S	06305W	95		1002.9		23.2	-2.4	22.8	-3.2	4	83	50	5		
82861 CONCEICAO DO ARAGUAIA	0815S	04912W	160				27.1	1.4	30.0	5.3	2	26	16	5		
82900 RECIFE ICURADOI	0803S	03455W	7		1014.9	1015.8	24.1	0.2	26.6	2.1	29	544	231	5		
82915 RIO BRANCO	0958S	06748W	136				22.4				1	6				
82983 PETROLINA	0923S	04029W	370		973.4	1014.8	24.9	0.8	19.1	-0.2	3	27	16	5		
83064 PORTO NACIONAL	1031S	04843W	250		986.0	1013.0	26.5	1.7	20.3	1.1	1	30	24	5		
83096 ARACAJU	1055S	03703W	6		1014.2	1014.9	25.8	1.8	25.2	0.5	14	189	26	4		
83186 JACOBINA	1111S	04028W	484		960.5	1017.4	22.7		20.1		7	32			1	
83208 VILHENA	1244S	06008W	652		946.0	1014.2	23.1		21.0		1	5				
83229 SALVADOR	1301S	03831W	51	31	1009.2	1015.2	24.0	0.5	25.8	3.3	21	267	86	5		
83236 BARREIRAS	1209S	04500W	440		963.9	1013.8	24.4		17.9		1	8				
83242 LENCOIS	1234S	04123W	438		967.2	969.3	20.8		21.5		6	50			2	
83264 VERA (GLEBA CELESTE)	1212S	05630W	415		974.2	1014.3	22.4		24.4		1	16				
83288 BOM JESUS DA LAPA	1316S	04325W	440		964.2	1015.3	24.3	0.0	17.6	1.9						
83361 CUIABA	1533S	05607W	179		998.4	1018.3	21.5	-1.4	22.2	4.1	2	23	14	5		
83377 BRASILIA	1547S	04756W	1158		889.4	1015.5	18.6	0.3	13.4	0.9	6	95	86	6		
83492 TEOFILO OTONI	1751S	04130W	356		979.9	1018.6	20.7		16.5		5	41			4	
83498 CARAVELAS	1744S	03915W	3		1017.9	1018.4	23.5	1.7	21.4	-0.7	11	252	137	6		
83512 COXIM	1830S	05446W	286		981.0	1018.5	12.1		19.3		3	29				
83579 ARAXA	1934S	04656W	1004		903.6	1017.2	18.2	1.0	17.6	2.7	5	20	-61	2		

STATION	LATITUDE	LONGITUDE	ELEVATION =	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE		
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE	TOTAL	% OF AV.
					mb	mb	°C	°C	mb	mb	mm	mm	hr	%		
S AMERICA																
BRAZIL																
83587 BELO HORIZONTE	1950S	04356W	850		919.6	1018.9	19.6	1.4	13.6	-1.8	6	15	-37	4		
83592 CARATINGA	1948S	04209W	609		949.5	1018.8	18.3		17.4		6	16		4		
83611 CAMPO GRANDE	2028S	05440W	560		957.7	1018.6	16.7	-4.1	14.8	-1.1	4	22	-40	2		
83648 VITORIA	2019S	04020W	36		1013.8	1018.0	22.7		21.7		3	31		2		
83676 CATANDUVA	2108S	04858W	536		954.2	1018.6	18.4		15.0		4	21		4		
83698 CAMPOS	2145S	04120W	11		1019.1	1020.5	21.3		21.2		3	26		3		
83702 PONTA PORÁ	2232S	05544W	650		941.1	1019.9	13.5	-3.5	13.2	-1.7	7	61	6	3		
83743 RIO DE JANEIRO	2255S	04310W	5		1020.0	1020.4	21.3	0.1	21.1	2.0	4	37	-10	3		
83766 LONDRINA	2323S	05111W	566		952.5	1019.0	14.2	-2.5	14.2	-0.6	11	161	98	5		
83781 SAO PAULO	2330S	04637W	792		929.0	1018.2	14.8	-0.7	14.0	-0.5	16	121	82	5		
83836 IRATI	2528S	05038W	837		922.0	1019.3	10.3		11.7		12	211				
83842 CURITIBA	2526S	04916W	923		915.7	1020.2	11.4	-1.3	12.4	-0.3	11	242	154	5		
83881 IRAI	2711S	05314W	247		989.7	1020.7	11.2		12.7		11	121		3		
83897 FLORIANOPOLIS	2735S	04834W	2		1020.4	1020.6	14.3	-2.4	14.6		12	152	82	6		
83967 PORTO ALEGRE	3001S	05113W	47		1015.7	1021.4	12.7	-1.9	12.3	-2.1	13	48	-74	1		
83980 BAGE	3120S	05406W	217								7	71		2		
83997 ST.VITORIA DO PALMAR	3331S	05321W	24		1017.8	1021.3	10.7	-1.0	11.7	-0.8	4	30	-78	0		
ECUADOR																
84008 SAN CRISTOBAL (GALAPAGOS)	0054S	08936W	6	31	1012.5		22.3	-0.3	22.3	0.6	19	7	-1	4		
84088 IZOBAMBA-SANTA CATALINA	0022S	07833W	3058	31	706.8		11.5	-0.1	10.4	1.0	9	76	46	5		
84132 NUEVO ROCAFUERTE	0055S	07524W	215	31			23.8	-0.1	26.3	-0.4	7	96	-165			
84135 PORTO VIEJO-GRANJA	0102S	08026W	44	31			24.5	0.6	23.2	6.4	0	0	-3	3		
84140 PICHILINGUE	0106S	07928W	73	31	1013.4		23.8	0.0	24.0	-0.4	4	8	-25	4		
84179 EL PUYO	0130S	07757W	950	31	908.8		14.8	-0.2	20.2	-0.1	25	408	21	3		
84202 MILAGRO	0207S	07936W	13	31	1013.7		24.0	0.1	23.8	-0.1	0	0	-24	3		
84203 GUAYAQUIL/SIMON BOLIVAR	0209S	07953W	9	31	1011.8		24.2	0.2	21.5	0.8	0	0	-3	0		
84270 LOJA/LA ARGELIA	0402S	07912W	2040	31			14.8	0.0	12.3	0.5	10	47	-13	2		
PERU																
84370 TUMBES	0333S	08024W	27		1009.5	1012.4	23.0		22.1		0	0		1		
84377 IQUITOS	0345S	07315W	126		1002.9	1016.8	24.6	-0.7	26.2	0.8	12	209	38	4		
84390 TALARÁ	0434S	08115W	90		1003.2	1013.4	19.8	0.9	16.2	-1.2	0	0	0	5		
84401 PIURA	0511S	08036W	55		1010.3	1016.8	21.0	-1.2	18.4	0.2	0	0	0	5		
84425 YURIMAGUAS	0554S	07605W	184		996.6	1018.0	26.2	0.1	26.5	0.8	6	102	18	4		
84444 CHACHAPOYAS	0613S	07750W	2435		769.6		13.9	-0.6	9.0	-3.0	6	12	-13	3		
84452 CHICLAYO	0647S	07950W	34		1010.9	1014.0	18.9	0.2	17.2	-0.2	0	0	0	5		
84455 TARAPOTO	0627S	07623W	282		983.3	1013.1	23.6	-1.4	23.2	-0.7	9	178	119	6		
84472 CAJAMARCA	0708S	07828W	2622		740.9		12.3	-2.4	10.4	-1.3	1	2	-5	3		
84474 JUANJUI	0713S	07643W	363		982.5	1021.3	25.5	1.0	26.0	1.0	4	62	-26	3		
84501 TRUJILLO	0806S	07902W	30		1011.1	1014.1	17.5	-0.2	14.8	-2.1	0	0	-1	0		
84515 PUCALLPA	0825S	07436W	149		997.4	1014.7	23.3	-2.2	23.0	-2.5	5	41	-1	3		
84534 TINGO MARIA	0908S	07557W	665		941.5	1013.4	24.2	0.2	22.0	-0.2	10	198	58	4		
84564 HUANUCO	0954S	07545W	1860		817.3		19.7	0.4	12.0	0.0	0	0	-5	2		
84628 LIMA-CALLAO/AEROP. INTL	1200S	07707W	13		1013.2	1014.8	16.4	0.1	15.1	-0.4	0	T	-1	3		
84658 PUERTO MALDONADO	1238S	06912W	266		992.5	1021.9	19.8	-4.0	20.8	-1.8	4	117	54	5		
84673 AYACUCHO	1308S	07413W	2749		734.7		17.1	1.3	8.6	1.1	2	8	0	3		
84686 CUZCO	1333S	07159W	3249		687.2		10.0	0.5	7.0	0.0	0	0	-4	0		
84691 PISCO	1345S	07617W	7		1012.5	1013.2	16.1	0.1	15.0	0.2	0	T	T	5		
84721 SAN JUAN	1523S	07510W	60		1008.2	1015.5	15.7	0.0	13.8	0.4	0	0	-1	4		
84752 AREQUIPA	1619S	07133W	2520		708.7		13.4	-0.9	5.2	0.0	0	0	0	5		
84782 TACNA	1804S	07018W	458		963.9	1017.9	13.4	-0.5	12.3	-0.4	0	T	-6	3		
CHILE																
85442 ANTOFAGASTA	2326S	07027W	140	31	1002.8	1017.1	13.4	0.1	12.6	0.4	0	0	0	5		
85469 ISLA DE PASCUA	2710S	10926W	69	31	1005.7	1021.2	18.2	-0.2	16.9	-0.4	14	174	83	5		
85488 LA SERENA	2955S	07112W	146	31	1001.2	1018.5	10.0	-0.6	9.9	-1.1	2	15	-1	4		
85585 ISLA ROBINSON CRUSOE	3337S	07850W	30	31	1018.2	1021.8	12.6	-0.2	11.8	-0.1	17	138	-16	2		
85766 VALDIVIA	3938S	07305W	19	31	1017.5	1019.9	6.7	-0.6	8.8	-0.4	13	179	-212	1		
85799 PUERTO MONTT	4126S	07306W	90	31	1008.2	1018.4	6.5	-0.2	8.8	-0.1	16	155	-116	1	80	
85934 PUNTA ARENAS	5300S	07051W	44	31	996.0	1002.8	2.1	0.7	6.5	1.1	9	41	11	5		
PARAGUAY																
86068 MARISCAL ESTIGARRIBIA	2201S	06036W	181		1000.4	1021.9	15.3	-4.6	11.8	-1.9	3	8	-7	3	212	
86086 PUERTO CASADO	2217S	05752W	87		1006.8	1017.2	16.0	-4.3	14.8	-1.3	6	93	55	5		

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS	TOTAL	DEPARTURE	QUINTILE	TOTAL
	'	'	m		mb	mb	°C	°C	mb	mb	mm	mm	mm	mm	%
S AMERICA															
PARAGUAY															
86097 PEDRO JUAN CABALLERO	2235S	05539W	662		942.8		13.6	-3.6	13.3		5	60	13	4	
86134 CONCEPCION	2325S	05718W	74		1009.4	1019.5	15.2	-3.7	14.1		4	26	-24	2	177 95
86210 SALTOS DEL GUAIRA	2403S	05419W			979.4		13.8		13.5		14	92			
86218 ASUNCION/AEROPUERTO	2516S	05738W	101		1009.4	1020.9	14.1	-4.3	12.6	-2.3	5	52	5	4	
86233 VILLARRICA	2545S	05626W	161		1002.3	1021.5	13.5	-3.8	12.7	-2.2	8	117	50	5	184 105
86248 PUERTO PRESIDENTE STROESSNER	2532S	05436W	196		997.4	1019.1	13.6	-2.9	13.2	-1.9	13	79	4	4	
86255 PILAR	2651S	05819W	56		1015.9	1022.7	13.9	-2.8	12.9	-1.8	5	70	12	4	
86260 SAN JUAN BAUTISTA MISIONES	2640S	05709W	126		1008.5	1023.3	13.1		11.1		7	106	4	180	110
86297 ENCARNACION	2719S	05550W	91		1012.2	1021.8	12.4	-3.8	12.3	-2.4	6	53	-48	2	152 85
URUGUAY															
86330 ARTIGAS	3023S	05630W	123	31	1006.9	1021.7	11.2	-0.7	10.4	-2.2	4	40	61	2	
86360 SALTO	3123S	05757W	34	31	1017.7	1021.8	10.6	-1.3	10.3	1.8	2	60	-17	3	
86440 MELO	3222S	05411W	100	31	1009.2	1021.7	9.9	-1.7	10.5	-1.4	4	24	-89	1	
86460 PASO DE LOS TOROS	3248S	05631W	75	31	1012.3	1021.6	10.2	-1.7	10.2	2.2	3	22	-108	1	
86490 MERCEDES	3315S	05804W	22	31	1019.8	1021.9	9.9	-1.5	10.1	-1.4	4	21	-53	1	
86500 TREINTA Y TRES	3313S	05423W	46	31	1016.0	1021.7	10.0	-1.3	10.3	-1.0	3	30	-82	0	
86560 COLONIA	3427S	05750W	23	31	1018.8	1021.7	10.7	-1.0	10.2	-1.3	4	25	-46	1	
86565 ROCHA	3429S	05418W	18	31	1019.1	1021.5	10.0	-1.2	10.5	-1.2	5	18	-70	1	
86580 CARRASCO	3450S	05600W	32	31	1017.4	1021.5	10.3	-0.7	10.3	0.2	3	29	-57	1	
ANTARCTICA															
UNITED KINGDOM (ANTARCTIC)															
89062 ROTHERA POINT	6734S	06808W	17		986.8	988.9	-5.1		3.5						0
89063 FARADAY (ARGENTINE ISLAND)	6515S	06416W	9		990.3	991.7	-3.5		3.8						
CHILE (ANTARCTIC)															
89056 CENTRO MET. ANTARTICO "PDTE.	6215S	05856W	10	31	992.3	993.4	-5.6	1.4	3.5		17	81	57		2
89057 BASE ARTURO PRAT	6230S	05941W	5	31	992.4	993.1	-5.7		3.8		10	24			
89059 BASE BERNARDO O'HIGGINS	6319S	05754W	10	31	992.5	994.0	-0.7		2.5		6	23			
JAPAN (ANTARCTIC)															
89532 SYOWA	6900S	03935E	21	31	988.5	991.2	-10.9	7.3	2.5						
AUSTRALIA (ANTARCTIC)															
89564 MAWSON	6736S	06253E	16		1000.4	1002.1	-16.6		0.8						30
89571 DAVIS	6835S	07758E	13		995.9	997.6	-16.7	0.6	0.8	-0.2	2	2	-8	2	12
89611 CASEY	6616S	11032E	15		981.1	986.5	-11.5	3.4	1.8	0.0	7	53	19	5	14
SW PACIFIC															
MALAYSIA (PENIN. MALAYSIA)															
48601 PENANG/BAYAN LEPAS	0518N	10016E	4		1009.4	1009.8	26.9	0.1	29.6	2.2	15	191	-14	2	205 100
48615 KOTA BHARU	0610N	10217E	5		1008.9	1009.5	27.0	0.1	28.7	0.5	15	346	190	6	226 105
48647 KUALA LUMPUR/SUBANG	0307N	10133E	22		1007.4	1009.9	27.1	0.6	28.6	-0.1	7	66	-64	1	191 95
48657 KUANTAN	0337N	10313E	16		1008.0	1009.8	26.6	0.5	29.1	0.1	13	134	-27	3	193 95
48665 MALACCA	0216N	10215E	9		1009.2	1010.3	26.6	0.3	29.5	0.1	14	192	14	4	202 100
SINGAPORE															
48698 SINGAPORE/CHANGI AIRPORT	0122N	10359E	16		1007.9	1009.7	27.5		30.1		10	124		3	182 95
USA (PACIFIC OCEAN NORTH)															
91165 LIHUE, KAUAI, HAWAII	2159N	15921W	45		1012.2	1017.4	25.8	0.0	23.4	-0.7	10	33	-19	2	292 112
91182 HONOLULU, OAHU, HAWAII	2121N	15756W	5		1015.6	1016.7	27.1	0.8	21.8	0.0	4	12	-4	3	363 116
91217 GUAM, MARIANA IS.	1333N	14450E	111						30.5	1.0	0				
91245 WAKE ISLAND AIRFIELD, WAKE I	1917N	16639E	4		1012.5	1012.9	27.8	-0.2	28.9	0.3	12	242	145	5	284
91285 HILO/GEN. LYMAN, HAWAII,	1943N	15504W	11		1015.4	1016.7	24.4	0.2	24.2	0.4	26	274	53	4	169 101
91334 TRUK, CAROLINE IS.	0728N	15151E	2		1008.8	1009.1	27.4	0.2	30.6	0.4	25	268	-96	2	
91348 PONAPE, CAROLINE ISLANDS.	0658N	15813E	46		1003.5	1008.7	27.3	0.5	29.6	0.0	23	213	-236	0	160 84
91366 KHAJALEIN/BUCH. MARSHALL IS.	0844N	16744E	8		1010.0	1010.0	28.3	0.5	30.6	0.2	16	235	-26	3	
91376 MAJUORO/MARSHALL IS. INTL	0705N	17123E	3		1009.9	1010.1	27.4	0.2	30.6	2.3	21	231	-90	2	214 102
91408 KOROR, PALAU IS.	0720N	13429E	33		1005.7	1009.5	28.0	0.6	30.6	-0.2	19	479	65	4	
91413 YAP, CAROLINE IS.	0929N	13805E	17			1008.5	26.8	-0.4	30.6	0.2	17	312	-50	2	90 48

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE	TOTAL
	°	°	m		mb	mb	°C	°C	mb	mb	mm	mm	mm	mm	%
SW PACIFIC															
NEW CALEDONIA															
91577 KOUMAC (INLE-CALEDONIE)	2034S	16417E	18		1013.0	1015.1	20.8	0.9	19.6	1.8	4	28	-33	2	231 105
91592 NOUMEA (INLE-CALEDONIE)	2216S	16627E	72		1008.3	1016.8	20.5	0.8	17.7	0.6	6	58	-25	2	216 115
NEW ZEALAND (KIRIBATI)															
91610 TARAWA	0121N	17255E	4		1008.7	1009.1	28.1	0.3	27.1	-1.9	13	171	18	4	
NEW ZEALAND (TUVALU)															
91643 FUNAFUTI	0831S	17913E	2		1009.9	1010.1	28.2	0.5	31.4	0.5	18	157	-87	1	104
FIJI															
91680 NANDI	1745S	17727E	18		1011.0	1013.1	22.9	-0.4	21.0	0.3	3	17	-34	2	
91683 NAUSORI	1803S	17834E	7		1012.9	1013.8	22.4	0.0	22.3	-0.2	11	191	56	4	
SAMOA															
91762 APIA	1348S	17147W	2		1011.4	1011.7	26.2	0.3	27.2	0.0	10	93	-30	2	
USA (SAMOA)															
91765 PAGO PAGO/INT. AIRPORT	1420S	17043W	3				26.8	0.8			13	121	-38	3	
NEW ZEALAND (COOK ISLANDS)															
91843 RAROTONGA	2112S	15949W	7		1014.1	1014.9	22.9	1.1	27.9	7.6	13	117	20	4	
FRENCH POLY. (MARQUESAS)															
91925 ATUONA	0948S	13902W	52		1006.6	1012.6	25.3	0.2	26.5	2.1	25	144	23	4	164 80
FRENCH POLY. (SOCIETY IS)															
91930 BORA-BORA	1627S	15145W	3		1013.7	1014.0	25.8	0.5	26.6	2.4	13	62	-35	3	258 110
91938 TAHITI-FAAA	1733S	14937W	2		1014.3	1014.6	25.3	1.0	25.2	2.5	6	37	-19	3	261 110
FRENCH POLY. (TUAMOTU IS)															
91943 TAKAROA	1429S	14502W	3		1013.6	1013.9	26.6	0.5	26.7	1.1	8	73	-8	4	252 105
91944 HAO	1804S	14057W	3		1015.3	1015.7	25.5	0.6	24.9	-0.7	8	30	-36	2	259 110
91945 HEREHERETUE	1952S	14500W	3		1015.4	1015.8	24.6	0.7	24.1	0.8	6	39	-56	1	246 115
91948 RIKITEA	2308S	13458W	89		1007.5	1017.8	21.4	-0.7	21.4	0.3	11	112	-26	2	170 110
FRENCH POLY. (AUSTRAL IS)															
91954 TUBUAI	2321S	14929W	3		1015.7	1016.0	22.3	1.5	20.9	1.5	10	295	163	5	201 115
91958 RAPA	2737S	14420W	2		1015.6	1015.9	19.3	1.0	17.0	0.5	20	265	30	4	115 95
NEW ZEALAND															
93012 KAITAIA	3508S	17316E	87		1004.4	1014.8	12.1		11.9		17	152		3	147 100
93119 AUCKLAND AIRPORT	3701S	17448E	6		1013.3	1014.0	11.8	1.0	11.7	0.8	22	190	58	5	114 80
93291 GISBORNE AERODROME	3840S	17759E	8		1011.8	1012.8	9.7	0.5	9.7	0.4	13	147	39	4	129 99
93308 NEW PLYMOUTH AERODROME	3901S	17411E	36		1009.0	1013.4	10.3	0.9	10.4	0.5	16	137	-28	2	137 101
93614 HOKITIKA AERODROME	4243S	17059E	40		1006.6	1012.5	7.5	0.5	8.7	0.4	13	276	62	4	125 97
93780 CHRISTCHURCH AIRPORT	4329S	17233E	34		1007.3	1011.5	6.5	0.8	7.4	-0.3	5	24	-42	1	144 114
93844 INVERCARGILL AERODROME	4625S	16820E	1		1009.9	1010.0	5.7	0.6	7.6	-0.1	13	65	-7	3	108 111
93944 CAMPBELL ISLAND	5233S	16909E	19		1002.9	1005.2	5.8	1.0	8.4	0.7	19	101	-6	3	16 114
93986 CHATHAM ISLAND	4357S	17634W	48		1004.8	1010.7	7.9	0.1	9.0	-0.6	23	52	-62	1	99 125
PAPUA NEW GUINEA															
94014 MADANG M.O.	0513S	14548E	12		1009.1	1009.7	26.9	0.6	29.3	1.1	9	123	-44	2	
94035 PORT MORESBY M.O.	0926S	14713E	47		1004.4	1010.0	26.1	0.3	27.1	2.3	4	15	-7	3	
94085 RABAUL M.O.	0413S	15211E	9		1008.5	1009.5	26.9	0.2	28.9	-0.1	18	129	13	3	
AUSTRALIA															
94120 DARWIN AIRPORT	1224S	13052E	30		1009.3	1012.8	26.0	1.3	18.5	2.9	0	0	-2	4	299 98
94150 GOVE AIRPORT	1216S	13649E	54		1007.1	1013.3	24.6		24.0		1	48			248
94175 THURSDAY ISLAND	1035S	14213E	61		1004.9	1011.9	25.9	0.9	26.6	2.9	4	25	16	5	
94203 BROOME AIRPORT	1757S	12213E	9		1013.2	1014.3	22.1	1.0	10.4	-1.1	0	T	-7	2	
94212 HALLS CREEK AIRPORT	1813S	12739E	424		966.6	1015.4	22.0	2.3	6.8	-1.2	0	0	-8	4	
94238 TENNANT CREEK AIRPORT	1938S	13410E	376		973.3	1017.1	20.2	2.1	7.1	0.3	0	T	-8	4	316 95
94287 CAIRNS AIRPORT	1653S	14545E	7		1015.3	1016.1	22.1	1.0	19.2	2.0	4	10	-15	2	189
94294 TOWNSVILLE AIRPORT	1915S	14645E	6		1016.9	1017.6	19.7	0.5	14.8	0.7	2	12	4	4	246 95
94299 WILLIS ISLAND	1618S	14959E	9		1013.3	1014.3	24.7	0.6	24.0	2.6	9	32	5	4	

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUNSHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS	TOTAL	DEPARTURE	QUINTILE	TOTAL
SW PACIFIC															
AUSTRALIA															
94300 CARNARVON AIRPORT	2452S	11340E	7		1017.6	1018.4	15.9	-0.4	10.0	-2.2	6	23	-27	3	
94302 LEARMONTH AIRPORT	2214S	11405E	6		1016.8	1017.4	16.9	-0.9	11.5	-1.0	4	29	2	3	
94312 PORT HEDLAND AIRPORT	2022S	11837E	11		1015.1	1015.8	19.6	0.2	8.2	-1.8	1	8	-1	4	
94326 ALICE SPRINGS AIRPORT	2348S	13354E	544		955.3	1019.4	13.7	2.0	6.9	-1.1	1	1	-15	3	295 107
94332 MT ISA AIRPORT	2039S	13929E	342		977.3	1017.0	17.7	1.3	8.9	0.7	0	0	-7	4	303 100
94346 LONGREACH AIRPORT	2326S	14416E	193		995.7	1018.6	14.9	-0.1	10.4	2.3	0	1	-18	2	
94367 MACKAY	2107S	14913E	31		1014.5	1018.2	17.0	0.4	15.1	0.9	3	45	14	4	
94380 GLADSTONE	2351S	15116E	76		1009.9	1018.9	18.1	0.5	12.9	0.5	1	11	-31	2	
94403 GERALDTON AIRPORT	2847S	11442E	34		1015.1	1019.2	13.7	-0.8	10.4	-1.8	11	37	-62	1	
94430 MEEKATHARRA AIRPORT	2636S	11831E	518		959.0	1019.5	12.5	-0.5	8.5	-0.2	5	36	12	5	
94461 GILES	2502S	12818E	599		949.5	1019.1	13.3	0.0	6.3	-0.7	1	4	-6	3	277 97
94510 CHARLEVILLE AIRPORT	2625S	14616E	304		983.7	1019.9	12.4	0.9	9.7	1.2	3	13	-9	3	
94527 MOREE	2928S	14951E	212		994.4	1019.9	10.8	0.2	9.9	1.3	9	44	11	4	207
94578 BRISBANE AIRPORT	2726S	15305E	6		1018.3	1018.9	14.6	-0.4	10.8	-0.1	3	37	-24	3	253 115
94610 PERTH AIRPORT	3156S	11557E	12		1014.7	1018.2	12.1	-0.9	10.3	-1.1	15	138	-30	2	188 115
94637 KALGOORLIE AIRPORT	3046S	12127E	360		976.5	1019.3	9.7	-1.0	8.7	-0.2	5	15	-13	2	
94638 ESPERANCE	3349S	12153E	26		1013.9	1017.0	11.7	-1.1	9.7	-0.8	14	115	18	4	
94646 FORREST AIRPORT	3050S	12806E	160		999.7	1019.0	11.1	0.0	8.7	-0.3	3	7	-9	2	
94653 CEDUNA AIRPORT	3207S	13342E	17		1015.0	1017.1	11.9	0.3	9.4	-0.4	11	54	14	5	
94659 WOOMERA AERODROME	3109S	13648E	167		998.1	1018.3	11.7	0.5	8.5	-0.6	3	15	-4	3	222 102
94672 ADELAIDE AIRPORT	3456S	13831E	4		1015.7	1016.2	11.7	0.7	10.4	-0.1	17	90	28	5	150 115
94693 MILDURA AIRPORT	3414S	14205E	53		1010.7	1016.9	10.7	0.7	9.7	0.7	6	46	20	5	170 94
94711 COBAR	3129S	14549E	265		987.3	1019.1	10.1	-0.2	9.3	0.6	7	59	35	5	160
94767 SYDNEY AIRPORT	3357S	15111E	3		1016.2	1016.7	12.9	0.9	9.3	-0.1	10	58	-1	4	204 110
94776 WILLIAMTOWN AERODROME	3247S	15149E	11		1016.7	1017.7	12.6	1.2	10.1	0.3	8	86	22	4	186 91
94791 COFFS HARBOUR AIRPORT	3019S	15307E	5		1017.3	1018.0	13.3	0.7	10.4	0.0	5	65	6	4	209 95
94802 ALBANY AIRPORT	3457S	11748E	69		1006.9	1015.2	10.9	-1.0	10.4	-0.3	23	172	38	4	
94821 MT GAMBIER AIRPORT	3744S	14047E	69		1004.9	1013.3	10.1	1.2	10.1	0.3	22	101	4	3	139 105
94865 LAVERTON AERODROME	3751S	14444E	14		1012.5	1015.1	10.2	0.9	9.5	0.7	8	63	21	5	134 120
94907 EAST SALE AERODROME	3806S	14708E	8		1013.1	1014.1	9.7	1.4	9.0	0.2	6	18	-23	1	135 90
94910 WAGGA AIRPORT	3509S	14727E	213		991.9	1017.6	8.9	1.5	9.3	0.9	14	77	24	5	103
94926 CANBERRA AIRPORT	3518S	14911E	577		949.1	1017.8	6.4	1.0	7.4	0.4	7	55	16	4	154 97
94975 HOBART AIRPORT	4250S	14730E	3		1005.3	1008.6	8.3	0.3	8.0	-0.2	7	98	49	5	160 120
AUSTRALIA ADDITIONAL IS.															
94995 LORD HOWE ISLAND	3131S	15905E	46		1016.9	1017.6	16.7	0.9	13.8	0.9	18	187	19	4	
94996 NORFOLK ISLAND AIRPORT	2902S	16756E	109		1005.5	1018.4	16.3	0.5	13.3	0.0	11	82	-52	1	181 100
94998 MACQUARIE ISLAND	5429S	15856E	6		999.3	1000.0	3.9	0.7	7.4	-0.3	20	85	20	4	23 90
MALAYSIA ISABAH & SARAWAK															
96413 KUCHING	0129N	11020E	27		1007.6	1010.2	26.1	-0.4	28.3	-0.9	16	349	156	5	199 105
96441 BINTULU	0312N	11302E	5		1009.5	1010.0	26.7	0.4	29.5		14	259	34	4	222 110
96471 KOTA KINABALU	0556N	11603E	3		1008.9	1009.3	27.3	0.6	28.0	-0.2	10	141	-136	1	273 115
96481 TAWAU	0416N	11753E	20	31	1007.4	1009.7	26.5	0.1	29.3	-0.1	17	416	230	6	
ISLANDS															
96996 COCOS ISLAND AIRPORT	1211S	09649E	3		1012.1	1012.4	25.9	0.1	25.6	0.1	14	332	129	5	
PHILIPPINES															
98135 BASCO	2027N	12158E	11		1005.5	1006.7	28.9	0.6	33.6	1.9	14	272	24	4	
98223 LAOAG	1811N	12032E	5		1006.5	1007.1	27.6		31.7		15	321	3	191	50
98232 APARRI	1822N	12138E	4		1007.9	1008.2	27.8	-1.1	31.6	-0.1	3	131	-59	3	
98233 TUGUEGARAO	1737N	12144E	24		1000.0	1007.0	29.0		26.4		15	146		2	
98325 DAGUPAN	1603N	12020E	2		1006.6	1006.8	28.5	0.3	31.7	1.0	25	492	7	4	
98328 BAGUIO	1625N	12036E	1501		849.6	1006.2	20.0		20.6		29	584	3	120	
98429 MANILA INTL AIRPORT	1431N	12100E	15		1005.4	1007.8	28.1	0.4	20.9	-8.6	26	388	51	4	
98444 LEGASPI	1308N	12344E	17		1006.1	1008.0	27.9	0.1	29.8	-0.2	16	199	-43	3	
98550 TACLOBAN	1115N	12500E	21		1007.2	1007.5	28.0	0.1	31.7	1.8	14	169	19	4	
98637 ILOILO	1042N	12234E	8		1008.6	1009.0	28.1	0.8	31.7	0.5	17	327	20	4	
98644 TAGBILARAN	0936N	12351E	6		1007.2	1007.9	28.8		32.0		13	381		6	
98646 MACTAN	1018N	12358E	9		1005.6	1008.9	27.9		29.8		16	233			
98653 SURIGAO	0948N	12530E			1000.6	1007.9					11	188	15	4	
98836 ZAMBOANGA	0654N	12204E	6		1007.2	1007.9	28.7	1.9	16.6	-13.1	7	70	-66	1	

SURFACE LATE REPORTS

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION				SUN-SHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE	TOTAL	% OF AV.
MAY 1990																
AFRICA																
SUDAN																
62600 WADI HALFA	2149N	03129E	183		987.3	1007.3	31.8	1.2	12.3		0	0	-7	0	336	105
62640 ABU HAMED	1932N	03319E	312		970.5	1007.4	34.3	1.3	9.6	0.9	0	0	0	0	363	105
62660 KARIMA	1833N	03151E	249		977.3	1006.1	33.5	0.6	7.4	-1.3	0	0	0	0	346	100
62680 ATBARA	1742N	03358E	345		966.5	1004.3	35.1	1.3	10.4	-0.6	0	0	-3	0	322	100
62730 KASSALA	1528N	03624E	500		950.4	1004.3	32.7	-0.1	10.9	-4.5	2	7	-2	3	328	100
62752 GEDAREF	1402N	03524E	599		938.0	1002.7	30.7	-1.3	11.3	-4.6	1	6	-17	2	302	50
62760 EL FASHER	1337N	02520E	730		927.0	1005.0	31.5	1.7	7.4	-1.8	0	T	-6	2	315	100
62762 SENNAR	1333N	03337E	418		958.2	1003.7	34.2		13.6		0	T	1	1	104	
62772 KOSTI	1310N	03240E	381		963.1	1004.7	32.7	0.7	13.5	-3.2	0	T	-14	1	201	105
JUN 1990																
ANTARCTICA																
GERMANY, F.R. (ANTARCTIC)																
89002 GEORG VON NEUMAYER	7037S	00822W	40		993.4	997.6	-25.8		0.6							

EUROPE - NORWAY							EUROPE - NORWAY							EUROPE - NORWAY												
LEVEL	TEMPERATURE			VECTOR WIND			LEVEL	TEMPERATURE			VECTOR WIND			LEVEL	TEMPERATURE			VECTOR WIND								
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
EUROPE - NORWAY JAN MAYEN 01001 7056N 00840W OB 3							EUROPE - NORWAY BJORNØYA 01028 7431N 01901E OB 3							EUROPE - NORWAY ORLAND 01241 6342N 00936E OB 3												
030	24539	0	-42.3	34.3	0	93	109	5	030	24579	6	-41.5	36.4	6	86	120	4	030	24476	0	-45.0		0	75	55	5
EUROPE - NORWAY OSLO/GARDERMOEN 01384 6012N 01106E OB 3							EUROPE - NORWAY STAVANGER/SOLA 01415 5852N 00540E OB 3							EUROPE - UNITED KINGDOM LERWICK 03005 6008N 00111W OB 3												
030	24438	1	-45.5	33.4	1	94	98	7	030	24405	4	-45.8	32.9	4	84	86	6	030	24425	0	-45.3		0	89	92	6
EUROPE - UNITED KINGDOM STORNOWAY 03026 5813N 00619W OB 3							EUROPE - UNITED KINGDOM AUGHTON 03322 5333N 00255W OB 3							EUROPE - UNITED KINGDOM CRAWLEY 03774 5105N 00013W OB 3												
030	24425	0	-45.8		0	92	270	6	030	24388	0	-46.7		0	94	87	7	030	24366	0	-47.4		0	90	94	7
EUROPE - IRELAND VALENTIA OBSERVATORY 03953 5156N 01015W OB 3							EUROPE - ICELAND KEFLAVIK 04018 6358N 02236W OB 3							EUROPE - DENMARK (GREENLAND) EGEDSMINDE 04220 6842N 05245W OB 3												
030	24372	14	-47.3		18	10	90	7	030	24434	0	-43.8	31.6	0	89	103	6	030	24511	0	-41.4		0	94	105	6
EUROPE - DENMARK (GREENLAND) NARSSARSSUAQ 04270 6111N 04526W OB 3							EUROPE - DENMARK (GREENLAND) DANMARKSHAVN 04320 7646N 01840W OB 3							EUROPE - DENMARK (GREENLAND) SCORESBYSUND 04339 7029N 02158W OB 3												
030	24461	0	-43.4		0	97	101	5	030	24539	0	-41.0		0	77	116	5	030	24499	0	-42.5		0	26	203	2

EUROPE - USSR										EUROPE - USSR										EUROPE - USSR									
LEVEL		TEMPERATURE				VECTOR WIND				LEVEL		TEMPERATURE				VECTOR WIND				LEVEL		TEMPERATURE				VECTOR WIND			
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED			
																											mb	gpm	°C
EUROPE - USSR KAUNAS 26629 5453N 02353E OB 1										EUROPE - USSR MINSK 26850 5352N 02732E OB 0										EUROPE - USSR VOLOGDA 27037 5917N 03952E OB 0									
030	24419	3	-46.8	14.5	3	96	102	4	030	24387	1	-47.5	12.7	1	93	102	4	030	24413	12	-46.1		9	98	92	3			
050	21058	1	-49.4	13.7	1	80	116	2	050	21038	0	-49.9	11.8	0	35	118	1	050	21043	4	-48.7		4	79	108	2			
100	16533	1	-49.8	12.0	1	61	252	2	100	16527	0	-50.5	10.5	0	66	248	3	100	16507	1	-49.3		1	37	210	1			
EUROPE - USSR KAZAN 27595 5547N 04911E OB 0										EUROPE - USSR MOSKVA 27612 5545N 03734E OB 0										EUROPE - USSR KIEV 33345 5024N 03027E OB 0									
030	24477	0	-44.8	12.2	1	20	192	1	030	24405	2	-47.1	11.9	3	94	103	3	030	24298	0	-48.8	12.5	0	93	103	4			
050	21096	0	-49.2	10.4	1	21	196	1	050	21047	0	-49.8	11.3	1	75	116	2	050	20972	0	-52.1	11.2	0	66	119	2			
100	16566	0	-49.9	9.0	1	32	253	2	100	16527	0	-50.1	10.5	0	64	241	2	100	16509	0	-53.5	9.9	0	91	247	5			
EUROPE - USSR L'VOV 33393 4949N 02357E OB 0										EUROPE - USSR ODESSA 33837 4629N 03038E OB 1										EUROPE - USSR SARATOV 34172 5134N 04602E OB 0									
030	24367	3	-49.4	10.7	9	92	105	4	030	24351	4	-50.0		4	76	105	3	030	24407	0	-49.1	12.1	0	86	93	3			
050	21038	1	-51.3	10.1	9	41	149	2	050	21044	3	-53.7		3	46	150	2	050	21087	0	-52.7	10.9	0	26	126	1			
100	16556	1	-52.4	8.5	9	85	257	5	100	16643	2	-56.5		2	94	249	9	100	16632	0	-53.1	10.4	0	87	265	6			
EUROPE - USSR HAR'KOV 34300 4956N 03617E OB 0										EUROPE - USSR ROSTOV-NA-DONU 34731 4715N 03949E OB 1										EUROPE - USSR TBILISI 37549 4141N 04457E OB 0									
030	24379	2	-49.7	13.1	2	98	109	4	030	24356	0	-47.6	12.8	0	85	91	4	030	24298	1	-50.8		1	90	82	5			
050	21070	1	-53.0	11.9	1	53	150	1	050	21032	0	-52.5	11.7	0	82	107	3	050	21027	0	-57.4		0	81	96	3			
100	16623	0	-53.8	10.8	0	89	250	7	100	16613	0	-56.8	10.8	0	88	251	6	100	16758	0	-65.4		0	91	254	9			
EUROPE - ISRAEL BET DAGAN 40179 3200N 03449E OB										EUROPE - JORDAN MAFRAQ 40265 3222N 03615E OB 1										ASIA - USSR POLAR GMD I.M.E.T. KRENKEL JA 20046 8037N 05803E OB 1									
030	21086	12	-59.6						030	20931	26	-60.7		26	93	116	13	030	24586	2	-41.6	15.9	2	26	105	1			
050	16922	0	-72.5			75	176	12	050	16816	21	-74.2		21	69	240	10	050	21141	1	-43.3	14.9	2	52	245	1			
100	14467	0	-59.8			72	206	13	100	14381	21	-60.4		21	86	244	17	100	16482	0	-44.0	13.5	0	79	263	3			

LEVEL TEMPERATURE VECTOR WIND								LEVEL TEMPERATURE VECTOR WIND								LEVEL TEMPERATURE VECTOR WIND										
LEVEL	TEMPERATURE			VECTOR WIND			SPEED	LEVEL	TEMPERATURE			VECTOR WIND			SPEED	LEVEL	TEMPERATURE			VECTOR WIND			SPEED			
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS		DIRECTION	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS		STEADINESS	DIRECTION	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION		MISSING DAYS	STEADINESS	DIRECTION
mb	gpm		°C	°C	%	°	mps	mb	gpm		°C	°C	%	°	mps	mb	gpm		°C	°C	%	°	mps			
ASIA - USSR GMD I.M.E.K. FEDOROVA 20292 7743N 10417E OB 1								ASIA - USSR OSTROV DIKSON 20674 7330N 08014E OB 1								ASIA - USSR HATANGA 20891 7159N 10228E OB 1										
ASIA - USSR OSTROV KOTEL'NYJ 21432 7600N 13754E OB 1								ASIA - USSR OSTROV CETYREH-STOLBOVOJ 21965 7038N 16224E OB 1								ASIA - USSR MYS KAMENNYJ 23146 6828N 07336E OB 1										
ASIA - USSR NAR' JAN-MAR 23205 6739N 05301E OB 1								ASIA - USSR SALEHARD 23330 6632N 06632E OB 1								ASIA - USSR TURUHANSK 23472 6547N 08757E OB 1										
ASIA - USSR SYKTYVKAR 23804 6140N 05051E OB 0								ASIA - USSR HANTY-MANSIJSK 23933 6058N 06904E OB 1								ASIA - USSR OLENEK 24125 6830N 11226E OB 0										
ASIA - USSR VERHOJANSK 24266 6733N 13323E OB 0								ASIA - USSR TURA 24507 6410N 10004E OB 0								ASIA - USSR JAKUTSK 24959 6205N 12945E OB 0										
030	24565	0	-41.9		0	73	66	2	030	24642	10	-42.1		9	92	71	2	030	24525	1	-43.7	15.2	1	94	74	3
050	21127	0	-43.7		0	44	352	1	050	21206	10	-44.3		9	29	352	2	050	21112	1	-45.6	14.4	1	59	40	1
100	16476	0	-44.1		0	63	309	2	100	16587	10	-46.2		9	79	297	3	100	16502	1	-46.3	12.7	1	58	325	2
150	13759	0	-43.6		0	70	311	4	150	13896	10	-46.6		9	83	293	5	150	13809	0	-45.7	11.2	0	76	321	4
200	11825	0	-43.5		0	67	309	5	200	11997	10	-49.4		9	85	294	7	200	11893	0	-46.7	8.7	0	70	321	5
300	9135	0	-45.6		0	55	317	6	300	9321	10	-42.3		9	82	294	9	300	9221	0	-44.2	6.6	0	64	319	8
500	5547	0	-20.8	8.0	0	54	316	4	500	5672	10	-16.1	9.7	9	82	294	6	500	5608	0	-18.6	10.4	0	64	317	5
700	2979	0	-6.0	6.6	0	49	315	3	700	3053	10	-0.3	10.3	9	84	296	5	700	3021	0	-3.4	9.6	0	64	321	4
850	1437	0	0.8	5.3	0	36	309	2	850	1479	10	6.2	6.9	9	72	297	3	850	1464	0	3.4	6.2	0	47	319	2
1014	* 13		1.2	0.7					1011	* 20		4.7	1.4					1011	* 24		12.9	6.0				

ASIA - USSR										ASIA - USSR										ASIA - USSR									
LEVEL	TEMPERATURE				VECTOR WIND			LEVEL	TEMPERATURE				VECTOR WIND			LEVEL	TEMPERATURE				VECTOR WIND								
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED			
																											mb	gpm	°C
ASIA - USSR MYS SMIDTA 25173 6855N 17929W OB 1										ASIA - USSR ANADYR' 25563 6447N 17734E OB 1										ASIA - USSR SEJMCAN 25703 6255N 15225E OB 0									
030	24507	0	-43.4		1	96	83	3	030	24474	0	-44.2		0	84	84	3	030	24453	1	-44.9		1	95	86	3			
ASIA - USSR KORF 25954 6021N 16600E OB 1										ASIA - USSR SVERDLOVSK 28440 5648N 06038E OB 0										ASIA - USSR OMSK 28698 5456N 07324E OB 0									
030	24420	2	-47.4	12.3	3	83	92	3	030	24447	0	-46.2		1	85	88	3	030	24471	0	-46.2	13.8	1	93	86	4			
ASIA - USSR KUSTANAJ 28952 5313N 06337E OB 0										ASIA - USSR KOLPASEV 29231 5818N 08254E OB 0										ASIA - USSR KRASNOJARSK 29574 5600N 09253E OB 0									
030	24482	12	-47.6		9	90	86	4	030	24500	7	-46.0		8	99	85	4	030	24444	6	-46.6	13.9	6	93	86	4			
ASIA - USSR KIRENSK 30230 5746N 10807E OB 0										ASIA - USSR CITA 30758 5201N 11320E OB 0										ASIA - USSR ALDAN 31004 5837N 12522E OB 0									
030	24505	6	-46.1		7	89	84	3	030	24396	0	-48.5		0	95	97	4	030	24514	2	-45.5		3	88	77	3			
ASIA - USSR OHOTSK 31088 5922N 14312E OB 1										ASIA - USSR BLAGOVESCENSK 31510 5016N 12730E OB 0										ASIA - USSR HABAROVSK 31735 4831N 13510E OB 0									
030	24368	1	-45.9		1	89	82	3	030	24442	13	-49.1		9	96	84	4	030	24338	5	-49.2	10.9	6	93	80	4			

LEVEL								TEMPERATURE								VECTOR WIND								LEVEL								TEMPERATURE								VECTOR WIND								LEVEL								TEMPERATURE								VECTOR WIND																																																				
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED																																																						
																																																															mb	gpm	°C	°C	%	°	mps	mb	gpm	°C	°C	%	°	mps	mb	gpm	°C	°C	%	°	mps	mb	gpm	°C	°C	%	°	mps	mb	gpm	°C	°C	%	°	mps	mb	gpm	°C	°C	%	°	mps	mb	gpm	°C	°C	%	°	mps					
ASIA - INDIA BHUBANESWAR 42971 2015N 08550E 0B 3									ASIA - INDIA BOMBAY/SANTACRUZ 43003 1907N 07251E 0B 3									ASIA - INDIA HYDERABAD AIRPORT 43128 1727N 07828E 0B 3									030									050									100									150									200									300									500									700									850									995								
CWC VISHAKHAPATNAM/WALT AIR 43150 1742N 08318E 0B 3									ASIA - INDIA GOA/PANJIM 43192 1529N 07349E 0B 3									ASIA - INDIA MADRAS/MINAMBAKKAM 43279 1300N 08011E 0B 3									030									050									100									150									200									300									500									700									850									995								
ASIA - INDIA PANAMBUR 43285 1257N 07450E 0B 3									ASIA - INDIA PORT BLAIR 43333 1140N 09243E 0B 3									ASIA - INDIA COCHIN/WILLINGDON 43353 0957N 07616E 0B 3									030									050									100									150									200									300									500									700									850									1005								
ASIA - INDIA MINICOY 43369 0818N 07309E 0B 3									ASIA - INDIA TRIVANDRUM 43371 0829N 07657E 0B 3									ASIA - HONG KONG KING'S PARK 45004 2219N 11410E 0B 1									030									050									100									150									200									300									500									700									850									1009								
ASIA - DPR KOREA PYONGYANG 47058 3902N 12547E 0B 1									ASIA - REPUBLIC OF KOREA POHANG 47138 3602N 12923E 0B 3									ASIA - JAPAN WAKKANAI 47401 4525N 14141E 0B 2									030									050									100									150									200									300									500									700									850									1001								

LEVEL TEMPERATURE VECTOR WIND							LEVEL TEMPERATURE VECTOR WIND							LEVEL TEMPERATURE VECTOR WIND														
LEVEL	TEMPERATURE	VECTOR		WIND			LEVEL	TEMPERATURE	VECTOR		WIND			LEVEL	TEMPERATURE	VECTOR		WIND										
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED		
mb	gpm	°C	°C	%	°	mps	mb	gpm	°C	°C	%	°	mps	mb	gpm	°C	°C	%	°	mps								
N AMERICA - USA BARROW/W. POST W. ROGERS, AK. 70026 7118N 15647W OB 2							N AMERICA - USA KOTZEBUE, RALPH WIEN, AK. 70133 6652N 16238W OB 1							N AMERICA - USA NOME, AK. 70200 6430N 16526W OB 2														
030	24520	17	-42.8						030	24527	11	-43.1		1	97	95	5		030	24390				9	96	84	7	
N AMERICA - USA BETHEL/BETHEL AIRPORT, AK. 70219 6047N 16148W OB 2							N AMERICA - USA ANCHORAGE/INTL, AK. 70273 6110N 15001W OB 2							N AMERICA - USA COLD BAY, AK. 70316 5512N 16243W OB 2														
030	24367	18	-46.4						030	24424	12	-45.3		9	87	99	3		030	24267	7	-49.7			7	98	85	6
N AMERICA - USA YAKUTAT, AK. 70361 5931N 13940W OB 2							N AMERICA - USA SHEMYA AFB, AK. 70414 5243N 17406E OB 2							N AMERICA - USA LONGVIEW, TX. 72247 3221N 09439W OB 2														
030	24384	4	-46.3			80	81	5	030	16521	10	-52.9		1	62	296	5	030	24167	1	-52.4			1	99	87	15	
N AMERICA - USA BROWNSVILLE/INTL, TX. 72250 2554N 09726W OB 2							N AMERICA - USA NASHVILLE/OLD HICKORY, TN. 72327 3615N 08634W OB 2							N AMERICA - USA MONETT, MO. 72349 3653N 09354W OB 2														
030	24077	3	-52.7			3	99	88	18	030	24233	5	-51.0		7	99	88	11	030	24228	2	-51.6			2	99	85	11
N AMERICA - USA WASHINGTON/STERLING, VA. 72403 3859N 07728W OB 2							N AMERICA - USA SULPHUR GROVE, OH. 72429 3952N 08407W OB 2							N AMERICA - USA NORTH PLATTE/LEE BIRD, NE. 72562 4108N 10041W OB 2														
030	24266	8	-49.4			9	99	87	11	030	24272	9	-50.1		9	99	90	19	030	24264	7	-50.9			7	98	88	9

S AMER - BRAZIL										S AMER - BRAZIL										S AMER - BRAZIL											
LEVEL	TEMPERATURE			VECTOR WIND			LEVEL	TEMPERATURE			VECTOR WIND			LEVEL	TEMPERATURE			VECTOR WIND													
PRESSURE	HEIGHT	MISSING	MEAN	DEW POINT DEPRESSION	MISSING	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING	MEAN	DEW POINT DEPRESSION	MISSING	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING	MEAN	DEW POINT DEPRESSION	MISSING	STEADINESS	DIRECTION	SPEED					
mb	gpm		°C	°C	%	°	mps	mb	gpm		°C	°C	%	°	mps	mb	gpm		°C	°C	%	°	mps								
S AMERICA - BRAZIL MANAUS (AEROPORTO) 82332 0309S 05959W OB 2										S AMERICA - BRAZIL BRASILIA (AEROPORTO) 83378 1552S 04756W OB 2										S AMERICA - BRAZIL CAMPO GRANDE (AEROPORTO) 83612 2028S 05440W OB 2											
030	24075	8	-52.4			9	81	276	11	030	23975	2	-54.0			9	94	289	8	030	23976	9	-53.3								
S AMERICA - BRAZIL GALEAO 83746 2249S 04315W OB 2										S AMERICA - BRAZIL SAO PAULO (AEROPORTO) 83780 2337S 04639W OB 2										S AMERICA - BRAZIL CURITIBA (AEROPORTO) 83840 2531S 04910W OB 2											
030	23907	3	-53.7							030	23880	6	-56.5							030	23965	11	-52.9								
S AMERICA - BRAZIL PORTO ALEGRE (AEROPORTO) 83971 3000S 05111W OB 2										ANTARCTICA - JAPAN SYOWA 89532 6900S 03935E OB 1										ANTARCTICA - AUSTRALIA DAVIS 89571 6835S 07758E OB 1											
030	23866	5	-55.3							030		2	-85.5			3	95	286	34	030								89	289	43	
ANTARCTICA - AUSTRALIA CASEY 89611 6616S 11032E OB 1										SW PACIFIC - MALAYSIA PENANG/BAYAN LEPAS 48601 0518N 10016E OB 3										SW PACIFIC - MALAYSIA KOTA BHARU 48615 0610N 10217E OB 3											
030	22015	10	-79.2			9	90	267	40	030	23917	2	-52.5			8	5	339	1	030	23915	1	-52.7					24	31	140	2
SW PACIFIC - MALAYSIA KUALA LUMPUR/PETALING JAYA 48648 0306N 10139E OB 3										SW PACIFIC - MALAYSIA KUANTAN 48657 0337N 10313E OB 3										SW PACIFIC - SINGAPORE SINGAPORE/CHANGI AIRPORT 48698 0122N 10359E OB 2											
030	23921	17	-54.3			22	95	263	9	030	23950	7	-53.3			27	95	284	5	030	23928	2	-54.6					3	95	273	13

LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND		
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
mb	gpm		°C	°C	%	°	mps		mb	gpm		°C	°C	%	°	mps		mb	gpm		°C	°C	%	°	mps	
SW PACIFIC - MALAYSIA(SABAH & SARAWAK) BINTULU 96441 0312N 11302E OB 3									SW PACIFIC - MALAYSIA(SABAH & SARAWAK) KOTA KINABALU 96471 0556N 11603E OB 3									SW PACIFIC - MALAYSIA(SABAH & SARAWAK) TAWAU 96481 0416N 11753E OB 1								
030	23895	13	-52.3		16	80	262	7	030	23952	8	-53.8		15	22	177	1	030	23956	6	-53.6		27	65	234	3
050	20666	1	-61.7		12	67	275	4	050	20722	0	-61.0		7	49	87	3	050	20727	3	-61.5		24	29	51	1
100	16521	0	-75.9		9	64	95	5	100	16573	0	-76.8		0	93	87	10	100	16568	2	-75.7		20	71	71	4
150	14156	0	-68.1		11	97	73	24	150	14213	0	-66.9		0	96	77	22	150	14203	2	-67.3		12	96	73	21
200	12375	0	-54.9		8	96	72	19	200	12419	0	-53.3		0	93	75	18	200	12410	2	-53.0		3	95	70	18
300	9655	0	-32.9	7.8	10	95	94	12	300	9678	0	-31.1	8.1	0	91	95	11	300	9670	3	-31.7	9.1	3	95	89	11
500	5856	0	-6.7	4.8	4	60	80	3	500	5858	0	-5.5	6.3	0	52	110	3	500	5857	2	-6.1	4.5	3	60	93	4
700	3149	0	8.8	6.2	3	74	276	3	700	3140	0	9.7	6.6	0	76	269	5	700	3147	1	9.2	5.8	1	59	272	2
850	1513	0	18.2	6.0	6	72	253	3	850	1501	0	18.5	6.1	0	89	256	6	850	1509	1	17.8	4.5	1	78	252	4
1011	* 5	0	25.9	4.6					1009	* 3	0	26.9	4.0					1009	* 20	1	25.1	1.6				
SW PACIFIC - ISLANDS COCOS ISLAND AIRPORT 96996 1211S 09649E OB																										
030	23897	14	-52.7																							
050	20675	13	-63.1																							
100	16567	5	-77.0		7	75	77	10																		
150	14206	2	-68.1		5	70	34	12																		
200	12421	2	-53.9		5	71	14	9																		
300	9683	1	-31.0		3	67	27	7																		
500	5857	0	-4.9	18.2	1	39	29	3																		
700	3141	0	9.5	12.5	2	31	82	2																		
850	1508	0	15.9	4.7	1	77	87	6																		
1012	* 3		25.2	3.7																						

EUROPE-SPAIN

UPPER AIR LATE REPORTS

EUROPE - SPAIN								EUROPE - SPAIN								EUROPE - SPAIN												
LA CORUNA				MADRID/BARAJAS				MURCIA																				
LEVEL	TEMPERATURE	VECTOR WIND		LEVEL	TEMPERATURE	VECTOR WIND		LEVEL	TEMPERATURE	VECTOR WIND																		
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED		
mb	gpm		°C	°C	%	°	mps		mb	gpm		°C	°C	%	°	mps		mb	gpm		°C	°C	%	°	mps			
08001 JUN 1990 4322N 00825W 0B 3								08221 JUN 1990 4030N 00335W 0B 3								08430 JUN 1990 3800N 00110W 0B 3												
030	24190	0	-50.4		0	96	89	6	030									030	24162	5	-51.6	33.0	6	95	102	7		
050	20894	0	-54.7		0	73	97	2	050									050	20890	3	-57.0	31.4	4	71	104	3		
100	16495	0	-57.1		0	91	256	9	100			-46.1						100	16579	3	-61.4	30.3	5	91	252	10		
150	13923	0	-56.0		0	86	263	13	150		11	-57.0			7	30	200	150	14047	2	-58.0	28.1	2	93	255	19		
200	12095	0	-55.8		0	74	271	14	200		22	-53.2	0.8	8	20	6		200	12230	2	-55.6	19.5	2	90	256	22		
300	9442	0	-40.6	14.1	0	71	272	13	300		2	-54.3	36.5	3	70	9		300	9559	1	-38.9	17.1	1	88	254	19		
500	5755	0	-12.8	20.5	0	77	272	10	500		2	-3.3		8	80	7		500	5843	1	-10.6	23.8	2	91	252	14		
700	3109	0	3.0	16.8	0	80	272	7	700	3142	0	4.7	12.5	0	76	5		700	3164	1	7.4	21.2	1	83	246	7		
850	1516	0	9.6	11.8	0	42	271	3	850	1526	0	16.6	13.5	0	65	235	3	850	1536	1	17.2	16.0	1	22	216	1		
1010	* 67		16.9	4.1					943	* 633		23.9	14.2					1008	* 62		24.5	9.3						
60390 JUN 1990 3643N 00315E 0B 3								60571 JUN 1990 3137N 00214W 0B 3								60680 JUN 1990 2247N 00531E 0B 2												
030									030									030										
050									050	20917	11	-59.2						050	19739	8	-62.0							
100		16	-68.0	18.1					100	16698	4	-69.0			9	20	230	2	100	16692	5	-74.7						
150	14185	2	-57.1			0		40	150	14240	1	-61.3			9	84	280	10	150	14146	1	-61.9			7	71	140	9
200	12346	1	-51.0		4	73	280	10	200	12379	1	-51.8			7	18	280	10	200	12472	1	-51.4			5	59	160	8
300	9638	1	-35.9	16.8	4	61	290	8	300	9700	0	-35.3	20.6	3	64	300	7	300	9722	1	-31.1	22.7	3	21	310	6		
500	5805	1	-9.2	17.9	4	76	290	8	500	5974	0	-9.1	10.1	1	59	300	6	500	5920	1	8.1	17.0	2	87	60	9		
700	3201	1	9.2	17.3	4	73	280	7	700	3243	0	13.5	17.7	1	38	260	5	700	3214	0	13.1	15.9	0	50	80	6		
850	1560	1	20.5	19.8	4	82	250	1	850	1562	0	27.8	28.1	0	39	140	3	850	1537	0	29.6	28.2	0	51	130	6		
1014	* 25		25.9	7.4					924	* 773		34.2	29.1					867	*1378		32.1	31.1						

STATION LIST WMO PUB 9 VOL A

41246 C	(SOHAR) MAJIS	OMAN	42071 C	AMRITSAR	INDIA
40831 C	ABADAN	IRAN, ISLAMIC REP	89009 CT	AMUNDSEN-SCOTT	USA
47409 C	ABASHIRI	JAPAN	25563 CT	ANADYR'	USSR
71108 C	ABBOTSFORD, B.C.	CANADA	67019 C	ANALALAVA	MADAGASCAR
64756 C	ABECHE	CHAD	17320 C	ANAMUR	TURKEY
03091 C	ABERDEEN/DYCE	U KINGDOM	16665 C	ANCHIALOS	GREECE
41112 C	ABHA	SAUDI ARABIA	70273 CT	ANCHORAGE/INTL, AK.	GREECE
65578 CT	ABIDJAN	COTE D'IVOIRE	84331 C	ANDOAS	PERU
72266 C	ABILENE, TX.	USA	91568 C	ANEITYUM	VANUATU
41216 C	ABU DHABI BATEEN AIRPORT	U ARAB EMIRATES	04360 CT	ANGMAGSSALIK	DENMARK
41217 CT	ABU DHABI INTL AIRPORT	U ARAB EMIRATES	17130 CT	ANKARA/CENTRAL	TURKEY
62640 C	ABU HAMED	SUDAN	17128 C	ANKARA/ESENBAGA	TURKEY
62795 C	ABU NA'AMA	SUDAN	60360 C	ANNABA	ALGERIA
78650 C	ACAJUTLA	EL SALVADOR	70398 C	ANNETTE ISLAND, AK.	USA
76805 C	ACAPULCO, GRO.	MEXICO	84542 C	ANTA (HUARAZ)	PERU
80427 C	ACARIGUA	VENEZUELA	84695 C	ANTABAMBA	PERU
17352 CT	ADANA	TURKEY	67025 C	ANTALAHA	MADAGASCAR
63450 CT	ADDIS ABABA	ETHIOPIA	17300 C	ANTALYA	TURKEY
94672 CT	ADELAIDE AIRPORT	AUSTRALIA	67083 CT	ANTANANARIVO/IVATO	MADAGASCAR
41467 C	ADEN KHORMAKSAR	DEM YEMEN	85442 CT	ANTOFAGASTA	CHILE
65585 C	ADIAKE	COTE D'IVOIRE	40718 C	ANZALI	IRAN, ISLAMIC REP
60620 C	ADRAR	ALGERIA	47575 C	AOMORI	JAPAN
76679 CT	AEROP. INTL MEXICO, D.F.	MEXICO	72220 CT	APALACHICOLA/MUN., FL.	USA
76644 CT	AEROP. INTL MERIDA, YUC.	MEXICO	98232 C	APARRI	PHILIPPINES
76394 T	AEROP. INTL, MONTERREY, N.L.	MEXICO	80084 C	APARTADO	COLOMBIA
87582 C	AEROPARQUE	ARGENTINA	91762 C	APIA	SAMOA
17190 C	AFYON	TURKEY	83096 C	ARACAJU	BRAZIL
61024 C	AGADECZ	NIGER	48462 C	ARANYAPRATHET	THAILAND
60250 C	AGADIR	MOROCCO	40357 C	ARAR	SAUDI ARABIA
61974 C	AGALEGA	MAURITIUS	80099 C	ARAUCA/SANTIAGO PEREZ	COLOMBIA
42261 C	AGRA	INDIA	83579 C	ARAXA	BRAZIL
16672 C	AGRINION (AIRPORT)	GREECE	16687 C	ARAXOS	GREECE
42647 CT	AHMADABAD	INDIA	44288 C	ARBAIHER	MONGOLIA
60560 C	AIN SEFRA	ALGERIA	84752 C	AREQUIPA	PERU
61499 C	AIOUN EL ATROUSS	MAURITANIA	22550 CT	ARHANGEL'SK	USSR
07761 CT	AJACCIO	FRANCE	85406 C	ARICA	CHILE
31168 C	AJAN	USSR	16654 C	ARTA (HALKIADES)	GREECE
17184 C	AKHISAR	TURKEY	86330 C	ARTIGAS	URUGUAY
47582 CT	AKITA	JAPAN	47407 C	ASAHIKAWA	JAPAN
61437 C	AKJOUJT	MAURITANIA	38880 CT	ASHABAD	USSR
42933 C	AKOLA	INDIA	72315 C	ASHEVILLE/REG., NC	USA
72521 C	AKRON/AKRON-CANTON REG., OH.	USA	63021 CT	ASMARA	ETHIOPIA
04063 C	AKUREYRI	ICELAND	62414 CT	ASSWAN	EGYPT
48062 C	AKYAB	BURMA	72791 C	ASTORIA/CLATSOP, OR.	USA
40420 C	AL AHSA	SAUDI ARABIA	34880 C	ASTRAHAN'	USSR
41055 C	AL BAHA	SAUDI ARABIA	86218 C	ASUNCION/AEROPUERTO	PARAGUAY
40361 C	AL-JOUF	SAUDI ARABIA	65376 C	ATAKPAPE	TOGO
98435 C	ALABAT	PHILIPPINES	84593 C	ATALAYA	PERU
94802 CT	ALBANY AIRPORT	AUSTRALIA	61421 C	ATAR	MAURITANIA
72518 C	ALBANY/ALBANY CO., NY.	USA	62680 C	ATBARA	SUDAN
06030 C	ALBORG	DENMARK & FAROE IS.	16716 C	ATHENS (HELLINIKON)	GREECE
72365 C	ALBUQUERQUE/INTL, NM.	USA	16714 C	ATHINAI/OBSERVATORY	GREECE
63995 C	ALDABRA	SEYCHELLES	64751 C	ATI	CHAD
31004 CT	ALDAN	USSR	71748 C	ATIKOKAN, ONT.	CANADA
83931 C	ALEGRETE	BRAZIL	72219 C	ATLANTA/MUN., GA.	USA
40007 CT	ALEPPO	SYRIAN ARAB REP	72407 C	ATLANTIC CITY, NJ.	USA
71082 CT	ALERT, N.W.T.	CANADA	91925 CT	ATUONA	FRENCH POLY.
68406 CT	ALEXANDER BAY	SOUTH AFRICA	93119 C	AUCKLAND AIRPORT	N ZEALAND
16627 C	ALEXANDROUPOLIS	GREECE	03322 T	AUGHTON	U KINGDOM
61997 C	ALFRED FAURE (ILES CROZET)	FRANCE	72218 C	AUGUSTA/BUSH FIELD, GA.	USA
16520 C	ALGHERO	ITALY	72254 C	AUSTIN/ROBERT MUELLER., TX.	USA
08359 C	ALICANTE	SPAIN	84673 C	AYACUCHO	PERU
94326 CT	ALICE SPRINGS AIRPORT	AUSTRALIA	17234 C	AYDIN	TURKEY
64662 C	ALINDAO	CENTRAL AFRICAN REP	87642 C	AZUL AERO	ARGENTINA
42475 C	ALLAHABAD/BAMHRAULI	INDIA	08329 C	BADAJOS	SPAIN
72517 C	ALLEN TOWN/A.-BETHLEHEM-, PA.	USA	41785 C	BADIN	PAKISTAN
36870 CT	ALMA-ATA	USSR	61781 C	BAFATA	GUINEA-BISSAU
08487 C	ALMERIA/AEROPUERTO	SPAIN	83980 C	BAGE	BRAZIL
44277 C	ALTAI	MONGOLIA	40650 CT	BAGHDAD	IRAQ
51076 C	ALTAY	CHINA	71727 C	BAGOTVILLE, QUE.	CANADA
64754 C	AM-TIMAN	CHAD	98328 C	BAGUIO	PHILIPPINES
72363 T	AMARILLO/INTL, TX.	USA	41678 CT	BAHAWALNAGAR	PAKISTAN
84160 C	AMBATO-GRANJA	ECUADOR	41700 C	BAHAWALPUR	PAKISTAN
97724 C	AMBON/PATTIMURA	INDONESIA	87750 C	BAHIA BLANCA AERO	ARGENTINA
40270 C	AMMAN AIRPORT	JORDAN	86033 C	BAHIA NEGRA	PARAGUAY
97240 C	AMPENAN/SELAPARANG	INDONESIA	41150 C	BAHRAIN MUHARRAQ	BAHRAIN

STATION LIST WMO PUB 9 VOL A

71187	C	BAIE COMEAU, QUE.	CANADA	61017	C	BILMA	NIGER
71926	CT	BAKER LAKE, N.W.T.	CANADA	72515	C	BINGHAMTON/BROOME CO., NY.	USA
40766	C	BAKHTARAN	IRAN, ISLAMIC REP	96441	CT	BINTULU	MALAYSIA
41536	C	BALAKOT	PAKISTAN	61401	C	BIR MOGHREIN	MAURITANIA
98333	C	BALER	PHILIPPINES	64658	C	BIRAO	CENTRAL AFRICAN REP
35796	C	BALHAS	USSR	03534	C	BIRMINGHAM/AIRPORT	U KINGDOM
96633	C	BALIKAPAPAN/SEPINGGAN	INDONESIA	61075	C	BIRNI-N'KONNI	NIGER
72406	C	BALTIMORE/B-WASHINGTON, MD.	USA	41084	C	BISHA	SAUDI ARABIA
61291	CT	BAMAKO/SENOU	MALI	60525	C	BISKRA	ALGERIA
64660	C	BAMBARI	CENTRAL AFRICAN REP	72764	CT	BISMARCK/MUN., ND.	USA
96783	C	BANDUNG	INDONESIA	61766	C	BISSAU (AEROPORT)	GUINEA-BISSAU
71122	C	BANFF, ALTA.	CANADA	15085	C	BISTRITA	ROMANIA
43295	C	BANGALORE	INDIA	64510	C	BITAM	GABON
64656	C	BANGASSOU	CENTRAL AFRICAN REP	01028	CT	BJORNOYA	NORWAY
48455	CT	BANGKOK	THAILAND	31510	CT	BLAGOVESCENSK	USSR
64650	CT	BANGUI	CENTRAL AFRICAN REP	71808	C	BLANC SABLON, QUE.	CANADA
96685	C	BANJARMASIN/SYAMSUDDIN NOOR	INDONESIA	68442	CT	BLOEMFONTEIN (J.B.M.HERTZOG)	SOUTH AFRICA
61701	C	BANJUL/YUNDUM	GAMBIA	74492	C	BLUE HILL OBS., MA.	USA
41685	CT	BAR KHAN	PAKISTAN	71883	C	BLUE RIVER, B.C.	CANADA
82784	C	BARBALHA	BRAZIL	61881	C	BO	SIERRA LEONE
80419	C	BARCELONA	VENEZUELA	82024	C	BOA VISTA	BRAZIL
08181	C	BARCELONA/AEROPUERTO	SPAIN	65510	C	BOBO-DIOULASSO	BURKINA FASO
82113	C	BARCELOS	BRAZIL	01152	T	BODO	NORWAY
87765	C	BARILOCHE AERO	ARGENTINA	01152	C	BODO VI	NORWAY
29838	C	BARNAUL	USSR	17290	C	BODRUM	TURKEY
80410	C	BARGUISIMETO	VENEZUELA	64126	C	BOENDE	ZAIRE
82571	C	BARRA DO CORDA	BRAZIL	30554	C	BOGDARIN	USSR
80091	C	BARRANCABERMEJA/YARIGUIES	COLOMBIA	80222	CT	BOGOTA/ELDORADO	COLOMBIA
80028	C	BARRANQUILLA/ERNESTOCORTISSO	COLOMBIA	41883	CT	BOGRA	BANGLADESH
83236	C	BARREIRAS	BRAZIL	29282	C	BOGUCANY	USSR
70026	CT	BARROW/W. POST W. ROGERS, AK.	USA	65338	C	BOHICON	BENIN
70086	CT	BARTER ISLAND, AK.	USA	72681	C	BOISE/MUN., ID.	USA
98135	C	BASCO	PHILIPPINES	61816	C	BOKE	GUINEA
86011	C	BASE 5 "GRAL A. JARA"	PARAGUAY	64708	C	BOKORO	CHAD
89057	C	BASE ARTURO PRAT	CHILE	64702	C	BOL-BERIM	CHAD
89059	C	BASE BERNARDO O'HIGGINS	CHILE	61769	C	BOLAMA	GUINEA-BISSAU
40689	C	BASRAH	IRAQ	17070	C	BOLU	TURKEY
64931	C	BATOURI	REP CAMEROON	83288	CT	BOM JESUS DA LAPA	BRAZIL
91557	CT	BAUERFIELD (EFATE)	VANUATU	43057	C	BOMBAY/COLABA	INDIA
83722	C	BAURU	BRAZIL	43003	T	BOMBAY/SANTACRUZ	INDIA
68728	C	BEAUFORT WEST	SOUTH AFRICA	31253	C	BOMNAK	USSR
60571	CT	BECHAR	ALGERIA	71196	C	BONAVISTA, NFLD.	CANADA
72412	C	BECKLEY (RALEIGH CTY. MUN), WV.	USA	65545	C	BONDOKOU	COTE D'IVOIRE
54511	CT	BEIJING	CHINA	61866	C	BONTHE	SIERRA LEONE
67297	C	BEIRA	MOZAMBIQUE	23884	C	BOR	USSR
60402	C	BEJAJIA	ALGERIA	91930	C	BORA-BORA	FRENCH POLY.
82191	C	BELEM	BRAZIL	07510	CT	BORDEAUX/MERIGNAC	FRANCE
82193	T	BELEM (AEROPORTO)	BRAZIL	60444	C	BORDJ BOU ARRERIDJ	ALGERIA
03917	C	BELFAST/ALDERGROVE AIRPORT	U KINGDOM	65516	C	BOROMO	BURKINA FASO
43198	C	BELGAUM/SAMBRA	INDIA	64610	C	BOSSANGO	CENTRAL AFRICAN REP
78583	C	BELIZE/INTL AIRPORT	BELIZE	64605	C	BOSSEBELE	CENTRAL AFRICAN REP
78584	C	BELIZE/LANDIVAR	BELIZE	72509	C	BOSTON/LOGAN INTL, MA.	USA
03976	C	BELMULLET	IRELAND	60515	C	BOU-SAADA	ALGERIA
83587	C	BELO HORIZONTE	BRAZIL	65555	C	BOUAKE	COTE D'IVOIRE
82246	C	BELTERRA	BRAZIL	64601	C	BOUAR	CENTRAL AFRICAN REP
40180	C	BEN-GURION INTL AIRPORT	ISRAEL	61296	C	BOUGOUNI	MALI
60602	C	BENI ABBES	ALGERIA	07255	C	BOURGES	FRANCE
60518	C	BENI-SAF	ALGERIA	03862	C	BOURNEMOUTH AIRPORT	U KINGDOM
62053	CT	BENINA	LIBYAN ARAB JAMAHIRI	64705	C	BOUSSO	CHAD
82410	C	BENJAMIN CONSTANT	BRAZIL	61461	C	BOUTILIMIT	MAURITANIA
13274	C	BEOGRAD	YUGOSLAVIA	71140	C	BRANDON, MAN.	CANADA
13275	T	BEOGRAD/ZELENO BRDO	YUGOSLAVIA	83377	C	BRASILIA	BRAZIL
64600	C	BERBERATI	CENTRAL AFRICAN REP	83378	T	BRASILIA (AEROPORTO)	BRAZIL
01317	C	BERGEN/FLORIDA	NORWAY	30309	C	BRATSK	USSR
10384	CT	BERLIN-TEMPELHOF	GERMANY, FED REP	64450	C	BRAZZAVILLE/MAYA-MAYA	CONGO
78016	T	BERMUDA NAS KINDLEY	USA	07110	CT	BREST/GUIPAVAS	FRANCE
40179	CT	BET DAGAN	ISRAEL	64655	C	BRIA	CENTRAL AFRICAN REP
70219	CT	BETHEL/BETHEL AIRPORT, AK.	USA	16320	CT	BRINDISI	ITALY
68461	C	BETHLEHEM AIRPORT	SOUTH AFRICA	94578	CT	BRISBANE AIRPORT	AUSTRALIA
40100	CT	BEYROUTH (AEROPORT)	LEBANON	11723	C	BRNO/TURANY	CZECHOSLOVAKIA
42971	CT	BHUBANESWAR	INDIA	71861	CT	BROADVIEW, SASK.	CANADA
97560	C	BIAK/MOKMER	INDONESIA	94203	CT	BROOME AIRPORT	AUSTRALIA
12295	C	BIALYSTOK	POLAND	71096	C	BROUGHTON ISLAND, N.W.T.	CANADA
71848	CT	BIG TROUT LAKE, ONT.	CANADA	72250	CT	BROWNSVILLE/INTL, TX.	USA
42165	C	BIKANER	INDIA	96315	CT	BRUNEI AIRPORT	BRUNEI DARUSSALAM
72677	C	BILLINGS/LOGAN INTL, MT.	USA	80094	C	BUCARAMANGA/PALONEGRO	COLOMBIA

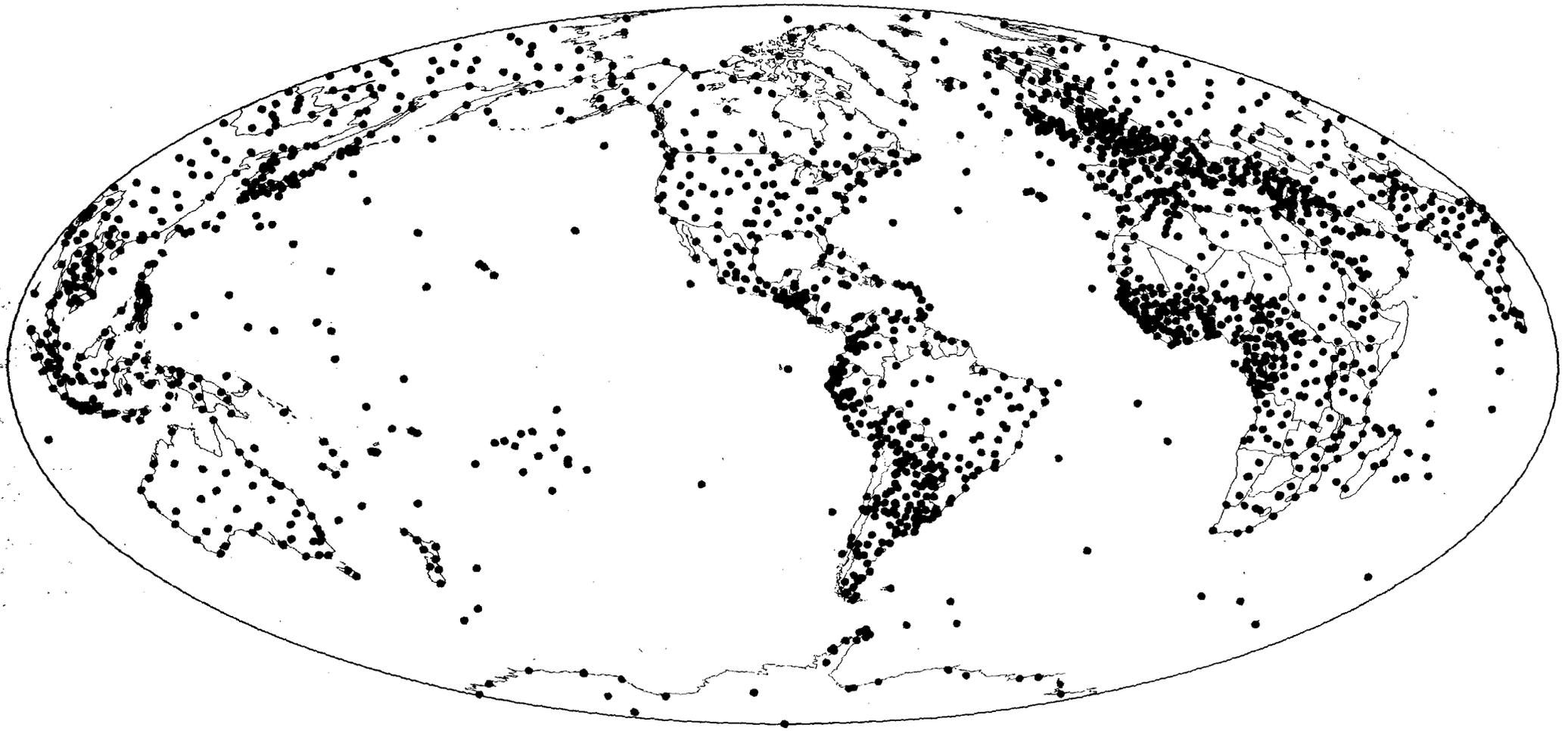
STATION LIST WMO PUB 9 VOL A

15420	CT	BUCURESTI/IMH	ROMANIA	78714	C	CATACAMAS	HONDURAS
12843	CT	BUDAPEST/LORINC	HUNGARY	87222	C	CATAMARCA AERO.	ARGENTINA
12840	C	BUDAPEST/METEOROLOGIA	HUNGARY	83676	C	CATANDUYA	BRAZIL
80252	C	BUENAVENTURA	COLOMBIA	86676	C	CATANDUYA	BRAZIL
80251	C	BUENAVENTURA/COLPUERTOS	COLOMBIA	16460	C	CATANIA/FONTANAROSSA	ITALY
87585	C	BUENOS AIRES (OBS. CENTRAL)	ARGENTINA	98546	C	CATARMAN	PHILIPPINES
71077	C	BUFFALO NARROWS, SASK.	CANADA	98548	C	CATBALOGAN	PHILIPPINES
72528	C	BUFFALO/GREATER BUFFALO, NY.	USA	87763	C	CATEDRAL 2000	ARGENTINA
98712	C	BUGSUK	PHILIPPINES	81405	CT	CAYENNE/ROCHAMBEAU	FRENCH GUIANA
64390	C	BUJUMBURA	BURUNDI	98645	C	CEBU	PHILIPPINES
64180	C	BUKAVU	ZAIRE	94653	C	CEDUNA AIRPORT	AUSTRALIA
67964	CT	BULAWAYO (GOETZ OBSY.)	ZIMBABWE	72229	T	CENTREVILLE, AL.	USA
44239	C	BULGAN	MONGOLIA	89056	C	CENTRO MET.ANTARTICO"PDTE.	CHILE
64076	C	BUNIA	ZAIRE	89055	CT	CENTRO MET.ANTARTICO"VICEC.	ARGENTINA
41244	C	BURAIMI	OMAN	87257	C	CERES	ARGENTINA
15655	C	BURGAS	BULGARIA	84570	C	CERRO DE PASCO	PERU
71194	C	BURGEO, NFLD.	CANADA	84444	C	CHACHAPOYAS	PERU
72617	C	BURLINGTON/INTL, VT.	USA	40942	C	CHAKHCHARAN	AFGHANISTAN
71952	C	BURNS LAKE. B.C.	CANADA	87320	C	CHAMICAL AERO	ARGENTINA
17116	C	BURSA	TURKEY	48480	C	CHANTHABURI	THAILAND
91565	C	BURTONFIELD (TANNA)	VANUATU	85230	C	CHARANA	BOLIVIA
40858	C	BUSHEHR	IRAN, ISLAMIC REP	72208	C	CHARLESTON/MUN., SC.	USA
64034	C	BUTA	ZAIRE	72414	C	CHARLESTON/YEAGER AP, WV.	USA
64384	C	BUTARE	RWANDA	94510	CT	CHARLEVILLE AIRPORT	AUSTRALIA
71929	C	BYRON BAY, N.W.T.	CANADA	99030	CT	CHARLIE	OCEAN WEATHER STATIO
83339	C	CAETITE	BRAZIL	71711	C	CHARLO, N.B.	CANADA
98748	C	CAGAYAN DE ORO	PHILIPPINES	72314	C	CHARLOTTE/DOUGLAS, NC.	USA
98815	C	CAGAYAN DE TAWI-TAWI	PHILIPPINES	71706	C	CHARLOTTETOWN, P.E.I.	CANADA
16560	CT	CAGLIARI/ELMAS	ITALY	93986	CT	CHATHAM ISLAND	N ZEALAND
94287	C	CAIRNS AIRPORT	AUSTRALIA	71717	C	CHATHAM, N.B.	CANADA
62366	C	CAIRO	EGYPT	72324	C	CHATTANOOGA/LOVELL FIELD,TN.	USA
84472	C	CAJAMARCA	PERU	11406	C	CHEB	CZECHOSLOVAKIA
98431	C	CALAPAN	PHILIPPINES	56294	C	CHENGDU	CHINA
98133	C	CALAYAN	PHILIPPINES	87322	C	CHEPES	ARGENTINA
42807	C	CALCUTTA/ALIPORE	INDIA	41565	C	CHERAT	PAKISTAN
42809	T	CALCUTTA/DUM DUM	INDIA	07024	C	CHERBOURG	FRANCE
71877	CT	CALGARY INTL, ALTA.	CANADA	42515	C	CHERRAPUNJI	INDIA
80259	C	CALI/PALMASECA	COLOMBIA	76750	C	CHEYENNE, WY.	MEXICO
71925	CT	CAMBRIDGE BAY, N.W.T.	CANADA	72564	C	CHEYENNE, WY.	USA
85315	C	CAMIRI	BOLIVIA	41768	CT	CHHOR	PAKISTAN
93944	CT	CAMPBELL ISLAND	N ZEALAND	48327	CT	CHIANG MAI	THAILAND
83611	C	CAMPO GRANDE	BRAZIL	71822	C	CHIBOGAMAU CHAPAIS, QUE.	CANADA
83612	T	CAMPO GRANDE (AEROPORTO)	BRAZIL	72530	C	CHICAGO/O'HARE, IL.	USA
83698	C	CAMPOS	BRAZIL	47971	CT	CHICHIJIMA	JAPAN
17112	C	CANAKKALE	TURKEY	84452	C	CHICLAYO	PERU
84226	C	CANAR	ECUADOR	84531	C	CHIMBOTE	PERU
94926	C	CANBERRA AIRPORT	AUSTRALIA	16706	C	CHIOS (AIRPORT)	GREECE
71910	C	CAPE DORSET, N.W.T.	CANADA	41506	CT	CHITRAL	PAKISTAN
71094	C	CAPE DYER, N.W.T.	CANADA	41977	T	CHITTAGONG (AMBAGAN)	BANGLADESH
72304	C	CAPE HATTERAS, NC.	USA	41978	C	CHITTAGONG (PATENGA)	BANGLADESH
71093	C	CAPE HOOPER, N.W.T.	CANADA	60425	C	CHLEF	ALGERIA
71948	C	CAPE PARRY, N.W.T.	CANADA	44259	C	CHOIBALSAN	MONGOLIA
71107	C	CAPE ST. JAMES, B.C.	CANADA	78724	C	CHOLUTECA	HONDURAS
68816	CT	CAPE TOWN (D.F. MALAN)	SOUTH AFRICA	47648	C	CHOSHI	JAPAN
71939	C	CAPE YOUNG, N.W.T.	CANADA	93780	CT	CHRISTCHURCH AIRPORT	N ZEALAND
80416	C	CARACAS/LA CARLOTA	VENEZUELA	48517	C	CHUMPHON	THAILAND
80415	C	CARACAS/MAIQUETIA AEROP.INTL	VENEZUELA	47014	C	CHUNGANG	DPR KOREA
83592	C	CARATINGA	BRAZIL	71182	C	CHURCHILL FALLS, Nfld.	CANADA
82418	C	CARAUARI	BRAZIL	71913	CT	CHURCHILL, MAN.	CANADA
83498	CT	CARAVELAS	BRAZIL	96805	C	CILACAP	INDONESIA
03715	C	CARDIFF-WALES AIRPORT	U KINGDOM	38262	C	CIMBAJ	USSR
38687	C	CARDZOU	USSR	72421	C	CINCINNATI/GREATER CIN., OH.	USA
72712	C	CARIBOU/MUN., ME.	USA	30758	CT	CITA'	USSR
66140	C	CARMONA	ANGOLA	80444	C	CIUDAD BOLIVAR	VENEZUELA
94300	CT	CARNARVON AIRPORT	AUSTRALIA	72360	C	CLAYTON/MUN., NM.	USA
82765	CT	CAROLINA	BRAZIL	71053	C	CLINTON POINT, N.W.T.	CANADA
86580	C	CARRASCO	URUGUAY	15120	CT	CLUJ-NAPOCA	ROMANIA
80432	C	CARRIZAL	VENEZUELA	71090	C	CLYDE, N.W.T.	CANADA
80022	C	CARTAGENA/CRESPO	COLOMBIA	82425	C	COARI	BRAZIL
71818	C	CARTWRIGHT, Nfld.	CANADA	76741	C	COATZACOALCOS, VER.	MEXICO
78325	C	CASA BLANCA, HABANA	CUBA	94711	CT	COBAR	AUSTRALIA
60155	CT	CASABLANCA	MOROCCO	85041	C	COBIJA	BOLIVIA
89611	CT	CASEY	AUSTRALIA	85223	C	COCHABAMBA	BOLIVIA
98336	C	CASIGURAN	PHILIPPINES	43353	T	COCHIN/WILLINGDON	INDIA
72569	C	CASPER/NATRONA COUNTY I., WY.	USA	64504	C	COCOBEACH	GABON
84680	C	CASTROVIRREYNA (SINTO)	PERU	96996	CT	COCOS ISLAND AIRPORT	ISLANDS

STATION LIST WMO PUB 9 VOL A

94791	C	COFFS HARBOUR AIRPORT	AUSTRALIA	89571	CT	DAVIS	AUSTRALIA
21946	C	COKURDAH	USSR	40435	C	DAWADMI	SAUDI ARABIA
70316	CT	COLD BAY, AK.	USA	71966	C	DAWSON, Y.T.	CANADA
71120	CT	COLD LAKE, ALTA.	CANADA	72429	C	DAYTON/JAMES M. COX DAY., OH.	USA
71075	C	COLLINS BAY, SASK.	CANADA	06260	CT	DE BILT	NETHERLANDS
43466	C	COLOMBO	SRI LANKA	71958	C	DEASE LAKE, B.C.	CANADA
86560	C	COLONIA	URUGUAY	12882	C	DEBRECEN	HUNGARY
76458	CT	COLONIA JUAN CARRASCO MAZ.	MEXICO	65505	C	DEDOUGOU	BURKINA FASO
72310	C	COLUMBIA, SC.	USA	71809	C	DEER LAKE, NFLD.	CANADA
72445	C	COLUMBIA/REGIONAL, MO.	USA	40045	C	DEIR EZZOR	SYRIAN ARAB REP
72428	C	COLUMBUS/PORT COLUMBUS, OH.	USA	17237	C	DENIZLI	TURKEY
87748	T	COMANDANTE ESPORA B.A.	ARGENTINA	97230	C	DENPASAR/NGURAH-RAI	INDONESIA
71193	C	COMFORT COVE, NFLD.	CANADA	72469	C	DENVER/STAPLETON INTL, CO.	USA
87860	CT	COMODORO RIVADAVIA AERO	ARGENTINA	41652	C	DERA GHAZI KHAN	PAKISTAN
71893	C	COMOX, B.C.	CANADA	41624	CT	DERA ISMAIL KHAN	PAKISTAN
61832	C	CONAKRY/GBESSIA	GUINEA	72546	C	DES MOINES/MUN., IA.	USA
82861	C	CONCEICAO DO ARAGUAIA	BRAZIL	72537	C	DETROIT/METROPOLITAN, MI.	USA
85196	C	CONCEPCION	BOLIVIA	71092	C	DEWAR LAKES, N.W.T.	CANADA
86134	C	CONCEPCION	PARAGUAY	40416	CT	DHAHRAN	SAUDI ARABIA
72605	C	CONCORD/MUN., NH.	USA	41923	CT	DHAKA	BANGLADESH
87395	C	CONCORDIA AERO	ARGENTINA	42404	C	DHUBRI	INDIA
72458	C	CONCORDIA/BLOSSER MUN., KS.	USA	42314	C	DIBRUGARH/MOHANBARI	INDIA
15480	CT	CONSTANTA	ROMANIA	61967	CT	DIEGO GARCIA	USA
60419	C	CONSTANTINE	ALGERIA	67009	C	DIEGO-SUAREZ	MADAGASCAR
84478	C	CONTAMANA	PERU	61085	C	DIFFA	NIGER
71938	C	COPPERMINE, N.W.T.	CANADA	07280	C	DIJON	FRANCE
71915	CT	CORAL HARBOUR, N.W.T.	CANADA	17180	C	DIKILI	TURKEY
87344	CT	CORDOBA AERO	ARGENTINA	65562	C	DIMBOKRO	COTE D'IVOIRE
03955	C	CORK AIRPORT	IRELAND	89054	C	DINAMET-URUGUAY	URUGUAY
80403	C	CORO	VENEZUELA	61666	C	DIOURBEL	SENEGAL
98526	C	CORON	PHILIPPINES	98741	C	DIPOLOG	PHILIPPINES
71873	C	CORONATION, ALTA.	CANADA	41508	C	DIR	PAKISTAN
72251	C	CORPUS CHRISTI/INTL, TX.	USA	63471	C	DIRE DAWA	ETHIOPIA
87166	C	CORRIENTES AERO.	ARGENTINA	40672	C	DIWANIYA	IRAQ
17084	C	CORUM	TURKEY	17280	CT	DIYARBAKIR	TURKEY
83552	C	CORUMBA	BRAZIL	64453	C	DJAMBALA	CONGO
65344	C	COTONOU	BENIN	60670	C	DJANET	ALGERIA
41992	C	COX'S BAZAR	BANGLADESH	60535	C	DJELFA	ALGERIA
83512	C	COXIM	BRAZIL	63125	C	DJIBOUTI	DJIBOUTI
71880	C	CRANBROOK, B.C.	CANADA	72451	C	DODGE CITY/MUN., KS.	USA
82583	C	CRATEUS	BRAZIL	63862	C	DODOMA	U REP TANZANIA
03774	T	CRAWLEY	U KINGDOM	41170	CT	DOHA INTERNATIONAL AIRPORT	QATAR
71920	CT	CREE LAKE, SASK.	CANADA	87648	C	DOLORES AERO	ARGENTINA
78962	C	CROWN POINT AIRPORT, TOBAGO	TRINIDAD TOBAGO	62650	CT	DONGOLA	SUDAN
82704	C	CRUZEIRO DO SUL	BRAZIL	65501	C	DORI	BURKINA FASO
80097	C	CUCUTA/CAMILO DAZA	COLOMBIA	64910	C	DOUALA OBS.	REP CAMEROON
83361	C	CUIABA	BRAZIL	64910	T	DOUALA R.S.	REP CAMEROON
80420	C	CUMANA	VENEZUELA	09488	C	DRESDEN-KLOTZSCHE	GERMAN DEM REP
83842	C	CURITIBA	BRAZIL	41515	CT	DROSH	PAKISTAN
83840	T	CURITIBA (AEROPORTO)	BRAZIL	41194	C	DUBAI INTERNATIONAL AIRPORT	U ARAB EMIRATES
96739	C	CURUG/BUDIARTO	INDONESIA	03969	C	DUBLIN AIRPORT	IRELAND
84686	C	CUZCO	PERU	52836	C	DULAN	CHINA
43150	T	CWC VISHAKHAPATNAM/WALTAIR	INDIA	72745	C	DULUTH/INTL, MN.	USA
48855	CT	DA NANG	VIET NAM	42599	C	DUMKA	INDIA
98440	C	DAET	PHILIPPINES	89642	CT	DUMONT D'URVILLE	FRANCE
98325	C	DAGUPAN	PHILIPPINES	68588	CT	DURBAN (LOUIS BOTHA)	SOUTH AFRICA
61641	CT	DAKAR/YOFF	SENEGAL	42731	C	DWARKA	INDIA
62432	C	DAKHLA	EGYPT	67005	C	DZAOUZDI/PAMANZI (MAYOTTE)	COMOROS
41712	CT	DAL BANDIN	PAKISTAN	24143	C	DZARZAN	USSR
44373	C	DALANZADGAD	MONGOLIA	71735	C	EARLTON, ONT.	CANADA
72259	C	DALLAS-FORT WORTH/FORT., TX.	USA	68858	C	EAST LONDON	SOUTH AFRICA
65560	C	DALOA	COTE D'IVOIRE	94907	C	EAST SALE AERODROME	AUSTRALIA
42587	C	DALTONGANJ	INDIA	62750	C	ED DUEIM	SUDAN
40080	CT	DAMASCUS NEW INTL AIRPORT	SYRIAN ARAB REP	03160	C	EDINBURGH AIRPORT	U KINGDOM
62805	C	DAMAZINE	SUDAN	17050	C	EDIRNE	TURKEY
71185	C	DANIEL'S HARBOUR, NFLD.	CANADA	71123	C	EDMONTON INTL AIRPORT, ALTA.	CANADA
04320	CT	DANMARKSHAVN	DENMARK	71879	C	EDMONTON MUNICIPAL, ALTA.	CANADA
65351	C	DAPAON	TOGO	71119	CT	EDMONTON (STONY PLAIN), ALTA.	CANADA
63894	CT	DAR ES SALAAM AIRPORT	U REP TANZANIA	71121	C	EDMONTON/NAMAQ, ALTA.	CANADA
60390	CT	DAR-EL-BEIDA	ALGERIA	71881	C	EDSON, ALTA.	CANADA
42391	C	DARBHANGA	INDIA	04220	CT	EGEDESMINDE	DENMARK
42295	C	DARJEELING	INDIA	40199	C	EILAT	ISRAEL
61891	C	DARU	SIERRA LEONE	62337	C	EL ARISH	EGYPT
94120	CT	DARWIN AIRPORT	AUSTRALIA	62760	CT	EL FASHER	SUDAN
71855	CT	DAUPHIN, MAN.	CANADA	60590	C	EL GOLEA	ALGERIA
98753	C	DAVAO AIRPORT	PHILIPPINES	60540	C	EL KHEITER	ALGERIA

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PRECIPITATION DATA
ARIZONA

DECEMBER
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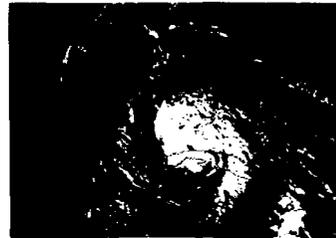
VOLUME 35 NUMBER

CLIMATOLOGICAL DATA
ARIZONA

LOCAL
CLIMATOLOGICAL DATA
Monthly Summary

STATION	ELEVATION	LATITUDE	LONGITUDE	STATE	MONTHLY SUMMARY																		
					JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC							
ALBUQUERQUE	5400	35° 00' N	106° 00' W	NM	12.5	10.0	8.0	6.0	5.0	4.0	3.0	2.0	1.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ALBUQUERQUE	5400	35° 00' N	106° 00' W	NM	12.5	10.0	8.0	6.0	5.0	4.0	3.0	2.0	1.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

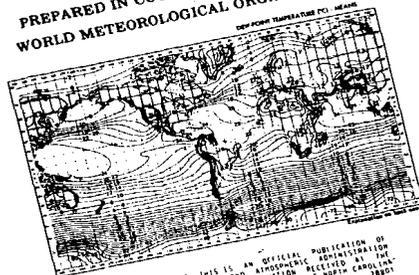
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Harold D. Swanson
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

MONTHLY CLIMATIC
DATA FOR THE WORLD
PREPARED IN COOPERATION WITH THE
WORLD METEOROLOGICAL ORGANIZATION



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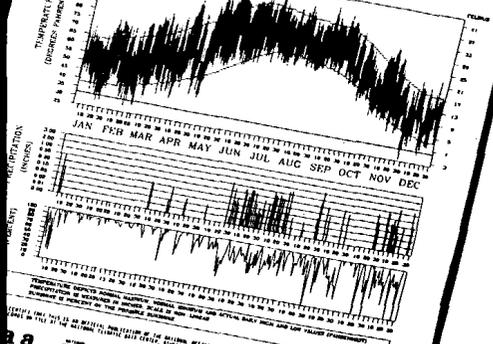
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DIRECTOR
NATIONAL CLIMATIC DATA CENTER

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LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA
TUCSON,
ARIZONA
Daily Data



Harold D. Swanson
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

COVER: The cover maps are long term means analyzed on a miller cylindrical projection of the world. They were prepared by U. S. National Climatic Data Center personnel from a variety of sources, including data from Monthly Climatic Data for the World and ship reports exchanged under WMO Res. 35 (Cg-IV). Since it was not possible to select all data for the same years of record, maps do not represent a "Standard Normal" period, but are generally representative of conditions during 1950's to mid-1970's. However, some ship data as early as the 1850's and land data from the 1890's to 1950's were used to help fill data gaps. The appropriate month's analysis will be shown in each issue. Since the scale is small, these maps can be used only for generalizations over large areas. If detailed statistics are needed, summaries of finer resolution should be used.

*National Climatic Data Center
January 1990*

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